



Elabscience[®]

Focus on lab research

Service for life science

**ELISA
KIT**

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About Elabscience

Elabscience specializes in immunodiagnostic technology for the Life Science community. We have complete R&D and manufacture platform and have good quality control for every kit by every lot. We endeavor to reduce lot to lot variation to keep your experiment results more consistent and precise. Through unremitting efforts and development, Elabscience's products have gained more market share, customers are now all over the world in more than 100 countries. Our major products are Proteins, Antibodies, ELISA Kits, CLIA Kits, Labeling Kits and related reagents. Elabscience also provides custom services for our customers including Protein Expression and Purification Service, Antibody Preparation Service, ELISA Customized Service, Cell Biology Service, Molecular Biology Service and Whole Research Project Solutions.

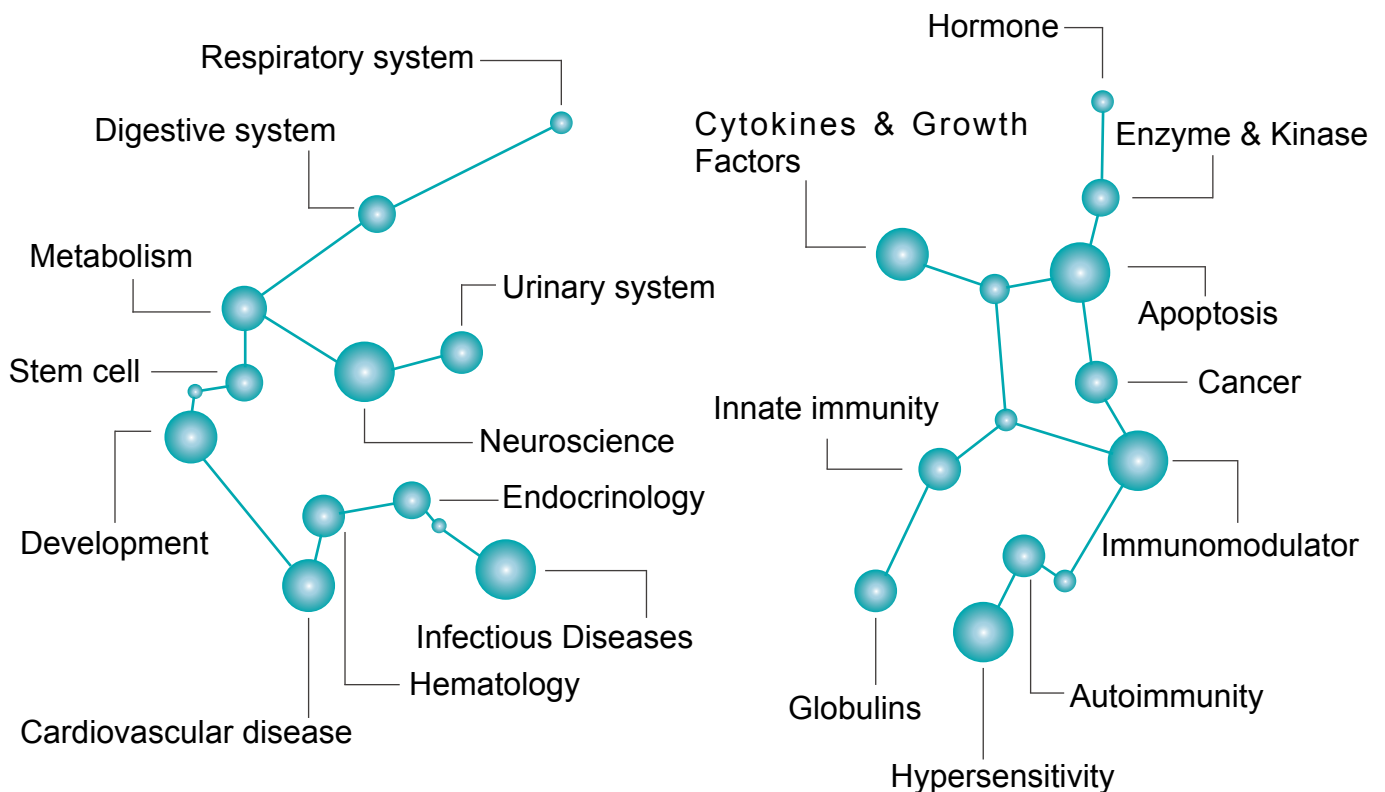


Why choosing Elabscience?

Advantages:

- High Stability
- Full Range of Products
- Efficient Delivery
- Reliable Supply Chain
- Perfect Technical Support and After-sale Service

Application areas





Top-selling Kits

Cat.No	Product Name	Detection Range	Sensitivity
E-EL-H1228	Human D4R/DRD4(Dopamine Receptor D4) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0102	Human IL-6(Interleukin 6) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-H0103	Human IL-10(Interleukin 10) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-H0523	Human ATF3(Activating Transcription Factor 3) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0108	Human IFN- γ (Interferon Gamma) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0753	Human NOS2/iNOS(Nitric Oxide Synthase 2, Inducible) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H0135	Human sICAM-1/CD54(Soluble Intercellular Adhesion Molecule 1) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H2306	Human TNF- β (Tumor Necrosis Factor Beta) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H1880	Human Ep-CAM/CD326(Epithelial Cell Adhesion Molecule) ELISA Kit	1.563--100U/mL	0.938U/mL
E-EL-H0883	Human GATA5(GATA Binding Protein 5) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0524	Human ATF4(Activating Transcription Factor 4) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0012	Human BMP-4(Bone Morphogenetic Protein 4) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H2411	Human RAR α (Retinoic Acid Receptor Alpha) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0435	Human IGF-2(Insulin Like Growth Factor 2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0880	Human GATA2(GATA Binding Protein 2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0879	Human GATA1(GATA Binding Protein 1) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H0881	Human GATA3(GATA Binding Protein 3) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0493	Human AR(Androgen Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0010	Human BDNF(Brain Derived Neurotrophic Factor) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0097	Human MCSF(Macrophage Colony Stimulating Factor 1) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0060	Human EGFR(Epidermal Growth Factor Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H5439	Human INS(Insulin) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-H2321	Human CDK1(Cyclin Dependent Kinase 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0149	Human IL-1 β (Interleukin 1 Beta) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-H1361	Human PPAR- γ (Peroxisome Proliferator Activated Receptor Gamma) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0011	Human BMP-2(Bone Morphogenetic Protein 2) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H0674	Human C/EBP α (CCAAT/Enhancer Binding Protein Alpha) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2115	Human SOD2(Superoxide Dismutase 2, Mitochondrial) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0452	Human INSR(Insulin Receptor) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H0752	Human CD4(Cluster of Differentiation 4) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2181	Human ALB(Albumin) ELISA Kit	3.125--200 μ g/mL	1.875 μ g/mL



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E-EL-H1546	Human SIRT1(Sirtuin 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2428	Human TSPAN30/CD63(Tetraspanin 30) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1113	Human SOD1(Superoxide Dismutase 1, Soluble) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H0985	Human PDGFR β (Platelet Derived Growth Factor Receptor Beta) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2214	Human PDGFR α (Platelet Derived Growth Factor Receptor Alpha) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1888	Human GFAP(Glial Fibrillary Acidic Protein) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1211	Human LDLR(Low Density Lipoprotein Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1233	Human VS(Versican/PG-M) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0706	Human TERT(Telomerase Reverse Transcriptase) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2172	Human HO1(Heme Oxygenase 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0470	Human ApoE(Apolipoprotein E) ELISA Kit	23.438--1500ng/mL	14.063ng/mL
E-EL-H2132	Human STAT3(Signal Transducer and Activator of Transcription 3) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2130	Human STAT1(Signal Transducer and Activator of Transcription 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0285	Human FABP4(Fatty Acid Binding Protein 4, Adipocyte) ELISA Kit	0.391--25ng/mL	0.234ng/mL
E-EL-H0084	Human HGF(Hepatocyte Growth Factor) ELISA Kit	125--8000pg/mL	75pg/mL
E-EL-H0425	Human IGF1R(Insulin Like Growth Factor 1 Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2345	Human TFR/CD71(Transferrin Receptor) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H2399	Human PCNA(Proliferating Cell Nuclear Antigen) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0755	Human NOS3/eNOS(Nitric Oxide Synthase 3, Endothelial) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H0033	Human sCD14(Soluble Cluster of Differentiation 14) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0356	Human FGFR3(Fibroblast Growth Factor Receptor 3) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0158	Human FGFR2(Fibroblast Growth Factor Receptor 2) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0345	Human FGFR1(Fibroblast Growth Factor Receptor 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0171	Human TF(Transferrin) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H2287	Human LPL(Lipoprotein Lipase) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0448	Human ANXA2(Annexin A2) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H2344	Human GAPDH(Glyceraldehyde-3-Phosphate Dehydrogenase) ELISA kit	1.563--100ng/mL	0.938ng/mL
E-EL-H5316	Human HDAC1(Histone Deacetylase 1) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H0506	Human AhR(Aryl Hydrocarbon Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0910	Human TP53(Tumor Protein p53) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H2000	Human GSK3 β (Glycogen Synthase Kinase 3 Beta) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H0152	Human CP(Ceruloplasmin) ELISA Kit	0.625--40 μ g/mL	0.375 μ g/mL
E-EL-H0375	Human FASN(Fatty Acid Synthase) ELISA Kit	0.313--20ng/mL	0.188ng/mL



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E-EL-H2598	Human ALPL(Alkaline Phosphatase, Liver/Bone/Kidney) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H0828	Human CTGF(Connective Tissue Growth Factor) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H1470	Human GAL3(Galectin 3) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2304	Human TP63(Tumor Protein p63) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2323	Human CDK4(Cyclin Dependent Kinase 4) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1766	Human CFTR(Cystic Fibrosis Transmembrane Conductance Regulator) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0017	Human CASP3(Caspase 3) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2271	Human PGR(Progesterone Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0300	Human AGT(Angiotensinogen) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H1486	Human PAH(Phenylalanine Hydroxylase) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H2095	Human FLN α (Filamin A, Alpha) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H0844	Human MTHFR(Methylenetetrahydrofolate Reductase) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H1530	Human MIF(Macrophage Migration Inhibitory Factor) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-H1661	Human UCP-1(Uncoupling Protein 1, Mitochondrial) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H5426	Human DNMT1(DNA Methyltransferase 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1436	Human DMD(Dystrophin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0556	Human LDHA(Lactate Dehydrogenase A) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-H0387	Human FG γ (Fibrinogen Gamma chain) ELISA Kit	15.625--1000ng/mL	9.375ng/mL
E-EL-H2239	Human JAK2(Janus Kinase 2) ELISA Kit	125--8000pg/mL	75pg/mL
E-EL-H0113	Human LEP(Leptin) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H1579	Human PCSK9(Proprotein Convertase Subtilisin/Kexin Type 9) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H0038	Human CLU(Clusterin) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-H2092	Human CCND1(Cyclin D1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1089	Human PKM2(Pyruvate Kinase, Muscle) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H2342	Human TTR(Transthyretin) ELISA Kit	15.625--1000ng/mL	9.375ng/mL
E-EL-H1225	Human D2R/DRD2(Dopamine Receptor D2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2093	Human CCND2(Cyclin D2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1094	Human VIM(Vimentin) ELISA Kit	7.813--500ng/mL	4.688ng/mL
E-EL-H2327	Human CDKN2A(Cyclin Dependent Kinase Inhibitor 2A) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H2473	Human CDKN1A(Cyclin Dependent Kinase Inhibitor 1A) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H1883	Human NRG-1(Neuregulin 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0627	Human CRT(Calreticulin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2188	Human BMG/ β 2-MG(Beta-2-Microglobulin) ELISA Kit	31.25--2000ng/mL	18.75ng/mL



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E-EL-H0675	Human C/EBP β (CCAAT/Enhancer Binding Protein Beta) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1360	Human PPAR- α (Peroxisome Proliferator Activated Receptor Alpha) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0948	Human MAP τ (Microtubule Associated Protein Tau/Tau Protein) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-H0983	Human SNC α (Synuclein Alpha) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H2266	Human FBN1(Fibrillin 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1423	Human TNC(Tenascin C) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2350	Human Pax(Paxillin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0519	Human ATXN1(Ataxin 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0439	Human TTN(Titin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0909	Human P27(P27 Protein) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0570	Human bTC(Betacellulin) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H2173	Human HO2(Heme Oxygenase 2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H5643	Human SIK2(Serine/threonine protein kinase SIK2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2031	Human TPPP(Tubulin Polymerization Promoting Protein) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H0937	Human PIAS3(Protein Inhibitor of Activated STAT3) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H0121	Human C-P(C-Peptide) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0078	Human Gas6(Growth Arrest Specific Protein 6) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H1251	Human rT3(Reverse Triiodothyronine) ELISA Kit	93.75--6000pg/mL	56.25pg/mL
E-EL-H1167	Human PROC(Protein C) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H2443	Human IL-35(Interleukin 35) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H1516	Human TJP1(Tight junction protein ZO-1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0022	Human MIP-1 β (Macrophage Inflammatory Protein 1 Beta) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0169	Human IgG(Immunoglobulin G) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H0099	Human IL-2(Interleukin 2) ELISA Kit	125--8000pg/mL	75pg/mL
E-EL-H1194	Human PP(Protein Phosphatase) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H2571	Human IL-37(Interleukin 37) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H5470	Human SCGB2A2(Mammaglobin-A) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0048	Human IL-8(Interleukin 8) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H2050	Human PP(Pepsin) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H2236	Human PP(Pancreatic Polypeptide) ELISA Kit	46.875--3000pg/mL	28.125pg/mL
E-EL-H1830	Human PK2(Prokineticin 2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0088	Human IL-1 α (Interleukin 1 Alpha) ELISA Kit	3.906--250pg/mL	2.344pg/mL
E-EL-H0101	Human IL-4(Interleukin 4) ELISA Kit	31.25--2000pg/mL	18.75pg/mL



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E-EL-H2373	Human NES1(Nesfatin 1) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0927	Human S-100(Soluble Protein-100) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H5512	Human ANXA1(Annexin A1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0100	Human IL-3(Interleukin 3) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0191	Human IL-5(Interleukin 5) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0143	Human Tn-T(Troponin T) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0628	Human CR(Calretinin) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0648	Human IL-7(Interleukin 7) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-H5307	Human AD(Adropin) ELISA Kit	12.5--800pg/mL	7.5pg/mL
E-EL-H0180	Human IL-9(Interleukin 9) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0577	Human BID(BH3 Interacting Domain Death Agonist) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H5611	Human STATH(Statherin) ELISA Kit	15.625--1000ng/mL	9.375ng/mL
E-EL-H0189	Human C4a(Complement Component 4a) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H0626	Human CNX(Calnexin) ELISA Kit	0.625--40ng/ml	0.375ng/ml
E-EL-H1803	Human SRF/IF(Skin Reactive Factor/Inflammatory Factor) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0915	Human P-GP(Permeability Glycoprotein) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0150	Human IL-12(Interleukin 12) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0824	Human C5c(Complement C5 Convertase) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1288	Human REG3γ(Regenerating Islet Derived Protein 3 Gamma) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H2046	Human CFHR2(Complement Factor H Related Protein 2) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H0279	Human IL-20(Interleukin 20) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H2396	Human PEX2(Peroxisomal Biogenesis Factor 2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1209	Human LMP7/PSMB9(Low Molecular-weight Protein/proteasome Beta-type Subunit) ELISA Kit	7.813--500ng/mL	4.688ng/mL
E-EL-H2426	Human IL-24(Interleukin 24) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H1030	Human IL-2Rα(Interleukin 2 Receptor Alpha) ELISA Kit	93.75--6000pg/mL	56.25pg/mL
E-EL-H1955	Human MAP2K6/MKK6(Mitogen Activated Protein Kinase Kinase 6) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-H0222	Human IL-15(Interleukin 15) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0438	Human IGF2BP3(Insulin Like Growth Factor 2 mRNA Binding Protein 3) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1401	Human EXT1(Exostoses 1) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-H2222	Human NOX1(Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H5642	Human PLEC(Plectin) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H0104	Human IL-13(Interleukin 13) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0105	Human IL-17(Interleukin 17) ELISA Kit	31.25--2000pg/mL	18.75pg/mL



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E-EL-H0195	Human NCAD(Neural Cadherin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0031	Human MIP4 α (Macrophage Inflammatory Protein 4 Alpha) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0235	Human IL-16(Interleukin 16) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0253	Human IL-18(Interleukin 18) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H1648	Human IL-25(Interleukin 25) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H5022	Human IL-11(Interleukin 11) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0888	Human HHIP(Hedgehog Interacting Protein) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1398	Human THRSP(Thyroid Hormone Responsive) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0254	Human IL-19(Interleukin 19) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H1973	Human PP13(Placental Protein13) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H1974	Human PP14(Placental Protein14) ELISA Kit	4.688--300ng/mL	2.813ng/mL
E-EL-H2450	Human IL-21(Interleukin 21) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H1284	Human REG3 α (Regenerating Islet Derived Protein 3 Alpha) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0953	Human TU3A(TU3A Protein) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H2202	Human GP II b/ III a(Platelet Membrane Glycoprotein II b/ III a complex) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2290	Human IL4I1(Interleukin 4 Induced Protein 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0106	Human IL-22(Interleukin 22) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0107	Human IL-23(Interleukin 23) ELISA Kit	39.063--2500pg/mL	23.438pg/mL
E-EL-H2580	Human IL-26(Interleukin 26) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0216	Human IL-32(Interleukin 32) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0578	Human MMRN1(Multimerin 1) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H0637	Human CA19-9(Carbohydrate antigen19-9) ELISA Kit	6.25--400U/mL	3.75U/mL
E-EL-H2338	Human IL-27(Interleukin 27) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0818	Human C3a(Complement Component 3a) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H5469	Human IL-31(Interleukin 31) ELISA Kit	7.813--500pg /mL	4.688pg /mL
E-EL-H5509	Human IL-29(Interleukin 29) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H2404	Human MIA1(Melanoma Inhibitory Activity Protein 1) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-H0845	Human PRKA α 1(Protein Kinase, AMP Activated Alpha 1) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H1183	Human PKC θ (Protein Kinase C Theta) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-H1582	Human RLN2(Relaxin-2) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-H0196	Human P I CP(Procollagen I C-Terminal Propeptide) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H0987	Human P II CP(Procollagen II C-Terminal ProPeptide) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H1972	Human PP(Placental Protein) ELISA Kit	3.125--200ng/mL	1.875ng/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-H5598	Human IL-36(Interleukin 36) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H1650	Human IL-34(Interleukin 34) ELISA Kit	93.75--6000pg/mL	56.25pg/mL
E-EL-H0961	Human C3c(Complement 3 convertase) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-H1560	Human LILRB2(Leukocyte Immunoglobulin Like Receptor Subfamily B Member 2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1265	Human REG1β(Regenerating Islet Derived Protein 1 Beta) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H2083	Human ECM1(Extracellular Matrix Protein 1) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H2402	Human IL-33(Interleukin 33) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0109	Human TNF-α(Tumor Necrosis Factor Alpha) ELISA Kit	7.813--500 pg/mL	4.688 pg/mL
E-EL-H1479	Human TPP1(Tripeptidyl Peptidase I) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H5575	Human PEPD(Peptidase D) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-H0423	Human HTRA1(HtrA Serine Peptidase 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1069	Human PYD(Pyridinoline) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-H1924	Human SSTR1(Somatostatin Receptor 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2274	Human EGR1(Early Growth Response Protein 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1378	Human NRIP1(Nuclear Receptor Interacting Protein 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H0043	Human CRP(C-Reactive Protein) ELISA Kit	0.391--25ng/mL	0.234ng/mL
E-EL-H0298	Human AGR2(Anterior Gradient Protein 2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0624	Human MSR1(Macrophage Scavenger Receptor 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H5538	Human NR2(N-Methyl-D-Aspartate Receptor 2) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-H0035	Human sCD40L(Soluble Cluster of Differentiation 40 Ligand) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-H0811	Human C8b(Complement Component 8b) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1040	Human LCA/CD45(Leukocyte Common Antigen) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0584	Human BALP(Bone Alkaline Phosphatase) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-H0742	Human NOS1/nNOS(Nitric Oxide Synthase 1, Neuronal) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1020	Human OCT1(Octamer-binding protein 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2378	Human UBR4(Ubiquitin Protein Ligase E3 Component N-Recognin 4) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H5554	Human IRS1(Insulin Receptor Substrate 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H0258	Human ACTN3(Actinin Alpha 3) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H1078	Human HAGH(Hydroxyacylglutathione Hydrolase) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-H5410	Human GPX1(Glutathione Peroxidase 1) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-H0021	Human MIP-1α(Macrophage Inflammatory Protein 1 Alpha) ELISA Kit	23.438--1500pg/mL	14.063pg/mL
E-EL-H1326	Human GCLM(Glutamate Cysteine Ligase, Modifier Subunit) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H2137	Human SOX1(Sex Determining Region Y Box Protein 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-H2427	Human AIM2(Absent In Melanoma 2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-H1178	Human PKC β 1(Protein Kinase C Beta 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0422	Mouse DRD4(Dopamine Receptor D4) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0044	Mouse IL-6(Interleukin 6) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0046	Mouse IL-10(Interleukin 10) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0048	Mouse IFN- γ (Interferon Gamma) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0077	Mouse sICAM-1/CD54(Soluble Intercellular Adhesion Molecule 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M1210	Mouse TNF- β (Tumor Necrosis Factor Beta) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0547	Mouse GATA5(GATA Binding Protein 5) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M0194	Mouse BMP-4(Bone Morphogenetic Protein 4) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0704	Mouse IGF-2(Insulin Like Growth Factor 2) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0544	Mouse GATA2(GATA Binding Protein 2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0543	Mouse GATA1(GATA Binding Protein 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0545	Mouse GATA3(GATA Binding Protein 3) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0203	Mouse BDNF(Brain Derived Neurotrophic Factor) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M2445	Mouse MCSF(Macrophage Colony Stimulating Factor 1) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M2441	Mouse EGFR(Epidermal Growth Factor Receptor) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M2614	Mouse INS(Insulin) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0037	Mouse IL-1 β (Interleukin 1 Beta) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-M0893	Mouse PPAR- γ (Peroxisome Proliferator Activated Receptor Gamma) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0193	Mouse BMP-2(Bone Morphogenetic Protein 2) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-M2424	Mouse SOD2(Superoxide Dismutase 2, Mitochondrial) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0294	Mouse CD4(Cluster Of Differentiation 4) ELISA Kit	0.391--25ng/mL	0.234ng/mL
E-EL-M0656	Mouse ALB(Albumin) ELISA Kit	3.125--200 μ g/mL	1.875 μ g/mL
E-EL-M0350	Mouse SIRT1(Sirtuin 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M2398	Mouse SOD1(Superoxide Dismutase 1, Soluble) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0554	Mouse GFAP(glial fibrillary acidic protein) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0903	Mouse LDLR(Low Density Lipoprotein Receptor) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0651	Mouse HO1(Heme Oxygenase 1) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0135	Mouse ApoE(Apolipoprotein E) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M1057	Mouse STAT3(Signal Transducer And Activator Of Transcription 3) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-M1055	Mouse STAT1(Signal Transducer And Activator Of Transcription 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M2404	Mouse FABP4(Fatty Acid Binding Protein 4, Adipocyte) ELISA Kit	0.781--50ng/mL	0.469ng/mL



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E-EL-M0664	Mouse HGF(Hepatocyte Growth Factor) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0951	Mouse PCNA(Proliferating Cell Nuclear Antigen) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0456	Mouse NOS3/eNOS(Nitric Oxide Synthase 3, Endothelial) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M2431	Mouse sCD14(Soluble Cluster of Differentiation 14) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M2416	Mouse FGFR1(Fibroblast Growth Factor Receptor 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M1184	Mouse TF(Transferrin) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M0755	Mouse LPL(Lipoprotein Lipase) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0100	Mouse ANXA2(Annexin A2) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M0424	Mouse GAPDH(Glyceraldehyde-3-Phosphate Dehydrogenase) ELISA kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0156	Mouse AhR(Aryl Hydrocarbon Receptor) ELISA Kit	0.391--25ng/mL	0.234ng/mL
E-EL-M1215	Mouse TP53(Tumor Protein p53) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-M1287	Mouse GSK3β(Glycogen Synthase Kinase 3 Beta) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0262	Mouse CP(Ceruloplasmin) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-M1372	Mouse FASN(Fatty Acid Synthase) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0340	Mouse CTGF(Connective Tissue Growth Factor) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0529	Mouse GAL3(Galectin 3) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M1283	Mouse CDK4(Cyclin Dependent Kinase 4) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-M0238	Mouse CASP3(Caspase 3) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0944	Mouse PGR(Progesterone receptor) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0096	Mouse AGT(Angiotensinogen) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-M0771	Mouse MIF(Macrophage Migration Inhibitory Factor) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0717	Mouse UCP-1(Uncoupling Protein 1, Mitochondrial) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0426	Mouse DMD(Dystrophin) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0039	Mouse LEP(Leptin) ELISA Kit	125--8000pg/mL	75pg/mL
E-EL-M0634	Mouse PCSK9(Proprotein Convertase Subtilisin/Kexin Type 9) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-M0303	Mouse CLU(Clusterin) ELISA Kit	2.5--160ng/mL	1.5ng/mL
E-EL-M0381	Mouse CCND1(Cyclin D1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M1198	Mouse TTR(Transthyretin) ELISA Kit	7.813--500ng/mL	4.688ng/mL
E-EL-M0382	Mouse CCND2(Cyclin D2) ELISA Kit	39.063--2500pg/mL	23.438pg/mL
E-EL-M0117	Mouse CDKN2A(Cyclin Dependent Kinase Inhibitor 2A) ELISA Kit	39.063--2500pg/mL	23.438pg/mL
E-EL-M0118	Mouse CDKN1A(Cyclin Dependent Kinase Inhibitor 1A) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0107	Mouse NRG-1(Neuregulin 1) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-M0224	Mouse CRT(Calreticulin) ELISA Kit	0.156--10ng/mL	0.094ng/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-M2411	Mouse BMG/ β 2-MG(Beta-2-Microglobulin) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0894	Mouse PPAR- α (Peroxisome Proliferator Activated Receptor Alpha) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M1121	Mouse MAP τ (Microtubule Associated Protein Tau/Tau Protein) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M1109	Mouse SNC α (Synuclein Alpha) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0493	Mouse FBN1(Fibrillin 1) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-M1126	Mouse TNC(Tenascin C) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0883	Mouse Pax(Paxillin) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0162	Mouse ATXN1(Ataxin 1) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0181	Mouse BTC(Betacellulin) ELISA Kit	7.813--500pg/mL	4.688pg/mL
E-EL-M0652	Mouse HO2(Heme Oxygenase 2) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-M1209	Mouse TPPP(Tubulin Polymerization Promoting Protein) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0354	Mouse C-P(C-Peptide) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0282	Mouse Gas6(Growth Arrest Specific Protein 6) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-M0965	Mouse PROC(Protein C) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0733	Mouse IL-35(Interleukin 35) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M1161	Mouse TJP1(Tight junction protein ZO-1) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-M0008	Mouse MIP-1 β (Macrophage Inflammatory Protein 1 Beta) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0692	Mouse IgG(Immunoglobulin G) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M0042	Mouse IL-2(Interleukin 2) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0886	Mouse PP(Pepsin) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M0878	Mouse PP(Pancreatic Polypeptide) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0948	Mouse PK2(Prokineticin 2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0036	Mouse IL-1 α (Interleukin 1 Alpha) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0043	Mouse IL-4(Interleukin 4) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M2678	Mouse NES1(Nesfatin 1) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-M1082	Mouse S-100(Soluble protein-100) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0721	Mouse IL-3(Interleukin 3) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0722	Mouse IL-5(Interleukin 5) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0085	Mouse Tn-T(Troponin T) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0225	Mouse CR(Calretinin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0723	Mouse IL-7(Interleukin 7) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0724	Mouse IL-9(Interleukin 9) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0186	Mouse BID(BH3 Interacting Domain Death Agonist) ELISA Kit	0.313--20ng/mL	0.188ng/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-M0222	Mouse CNX(Calnexin) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-M0726	Mouse IL-12(Interleukin 12) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M2455	Mouse IL-20(Interleukin 20) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0045	Mouse IL-24(Interleukin 24) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0728	Mouse IL-15(Interleukin 15) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0829	Mouse NOX1(Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0727	Mouse IL-13(Interleukin 13) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0047	Mouse IL-17(Interleukin 17) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0212	Mouse NCAD(Neural Cadherin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0729	Mouse IL-16(Interleukin 16) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0730	Mouse IL-18(Interleukin 18) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0187	Mouse IL-25(Interleukin 25) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0725	Mouse IL-11(Interleukin 11) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0624	Mouse HHIP(Hedgehog Interacting Protein) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M2454	Mouse IL-19(Interleukin 19) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-M1273	Mouse IL-21(Interleukin 21) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0927	Mouse GP II b/ III a(Platelet Membrane Glycoprotein II b/ III a complex) ELISA Kit	0.391--25ng/mL	0.234ng/mL
E-EL-M2446	Mouse IL-22(Interleukin 22) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0731	Mouse IL-23(Interleukin 23) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0737	Mouse IL-32(Interleukin 32) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0732	Mouse IL-27(Interleukin 27) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0337	Mouse C3a(Complement Component 3a) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0986	Mouse PRKAA1(Protein Kinase, AMP Activated Alpha 1) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-M0231	Mouse P I CP(Procollagen I C-Terminal Propeptide) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0720	Mouse IL-34(Interleukin 34) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M0479	Mouse ECM1(Extracellular Matrix Protein 1) ELISA Kit	46.875--3000pg/mL	28.125pg/mL
E-EL-M2642	Mouse IL-33(Interleukin 33) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0049	Mouse TNF- α (Tumor Necrosis Factor Alpha) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-M1085	Mouse SSTR1(Somatostatin Receptor 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0430	Mouse EGR1(Early Growth Response Protein 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0839	Mouse NRIP1(Nuclear Receptor Interacting Protein 1) ELISA Kit	3.906--250ng/mL	2.344ng/mL
E-EL-M0053	Mouse CRP(C-Reactive Protein) ELISA Kit	0.391--25ng/mL	0.234ng/mL
E-EL-M0200	Mouse BALP(Bone Alkaline Phosphatase) ELISA Kit	0.156--10ng/mL	0.094ng/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-M1281	Mouse NOS1/nNOS(Nitric Oxide Synthase 1, Neuronal) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0950	Mouse GPX1(Glutathione Peroxidase 1) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-M0007	Mouse MIP-1 α (Macrophage Inflammatory Protein 1 Alpha) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-M0568	Mouse GCLM(Glutamate Cysteine Ligase, Modifier Subunit) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-M0973	Mouse PKC β 1(Protein Kinase C Beta 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0342	Rat DRD4(Dopamine Receptor D4) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0015	Rat IL-6(Interleukin 6) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-R0016	Rat IL-10(Interleukin 10) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0009	Rat IFN- γ (Interferon Gamma) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0046	Rat sICAM-1/CD54(Soluble Intercellular Adhesion Molecule 1) ELISA Kit	0.391--25ng/mL	0.234ng/mL
E-EL-R1037	Rat TNF- β (Tumor Necrosis Factor Beta) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0415	Rat GATA5(GATA Binding Protein 5) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0116	Rat BMP-4(Bone Morphogenetic Protein 4) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0530	Rat IGF-2(Insulin Like Growth Factor 2) ELISA Kit	46.875--3000pg/mL	28.125pg/mL
E-EL-R0412	Rat GATA2(GATA Binding Protein 2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0411	Rat GATA1(GATA Binding Protein 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0413	Rat GATA3(GATA Binding Protein 3) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R1235	Rat BDNF(Brain Derived Neurotrophic Factor) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0601	Rat MCSF(Macrophage Colony Stimulating Factor 1) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R2386	Rat EGFR(Epidermal Growth Factor Receptor) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-R2466	Rat INS(Insulin) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-R0012	Rat IL-1 β (Interleukin 1 Beta) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0724	Rat PPAR- γ (Peroxisome Proliferator Activated Receptor Gamma) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0002	Rat BMP-2(Bone Morphogenetic Protein 2) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-R1425	Rat SOD2(Superoxide Dismutase 2, Mitochondrial) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R2459	Rat CD4(Cluster of Differentiation 4) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0362	Rat ALB(Albumin) ELISA Kit	3.125--200 μ g/mL	1.875 μ g/mL
E-EL-R1102	Rat SIRT1(Sirtuin 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1424	Rat SOD1(Superoxide Dismutase 1, Soluble) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1428	Rat GFAP(Glial Fibrillary Acidic Protein) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R2584	Rat LDLR(Low Density Lipoprotein Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0488	Rat HO1(Heme Oxygenase 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1230	Rat ApoE(Apolipoprotein E) ELISA Kit	3.125--200ng/mL	1.875ng/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-R1226	Rat STAT3(Signal Transducer and Activator of Transcription 3) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R2436	Rat FABP4(Fatty Acid Binding Protein 4, Adipocyte) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-R0496	Rat HGF(Hepatocyte Growth Factor) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-R0782	Rat PCNA(Proliferating Cell Nuclear Antigen) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0367	Rat NOS3/eNOS(Nitric Oxide Synthase 3, Endothelial) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0888	Rat sCD14(Soluble Cluster of Differentiation 14) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-R2411	Rat FGFR1(Fibroblast Growth Factor Receptor 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1179	Rat TF(Transferrin) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-R0590	Rat LPL(Lipoprotein Lipase) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0975	Rat HDAC1(Histone Deacetylase 1) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-R0072	Rat AhR(Aryl Hydrocarbon Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R1042	Rat TP53(Tumor Protein p53) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-R0182	Rat CP(Ceruloplasmin) ELISA Kit	6.25--400ng/mL	3.75ng/mL
E-EL-R0395	Rat FASN(Fatty Acid Synthase) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R1109	Rat ALPL(Alkaline Phosphatase, Liver/Bone/Kidney) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-R0259	Rat CTGF(Connective Tissue Growth Factor) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0399	Rat GAL3(Galectin 3) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R1116	Rat CDK4(Cyclin Dependent Kinase 4) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-R0160	Rat CASP3(Caspase 3) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0776	Rat PGR(Progesterone Receptor) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0199	Rat AGT(Angiotensinogen) ELISA Kit	62.5--4000ng/mL	37.5ng/mL
E-EL-R0608	Rat MIF(Macrophage Migration Inhibitory Factor) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-R1146	Rat UCP-1(Uncoupling Protein 1, Mitochondrial) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1101	Rat DNMT1(DNA Methyltransferase 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0346	Rat DMD(Dystrophin) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-R2547	Rat LDHA(Lactate Dehydrogenase A) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R1227	Rat JAK2(Janus Kinase 2) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0582	Rat LEP(Leptin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R2487	Rat PCSK9(Proprotein convertase subtilisin/kexin type 9) ELISA kit	0.781--50ng/mL	0.469ng/mL
E-EL-R0222	Rat CLU(Clusterin) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-R0294	Rat CCND1(Cyclin D1) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1022	Rat TTR(Transthyretin) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-R0340	Rat DRD2(Dopamine Receptor D2) ELISA Kit	1.563--100mU/mL	0.938mU/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-R0295	Rat CCND2(Cyclin D2) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0293	Rat CDKN2A(Cyclin Dependent Kinase Inhibitor 2A) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0310	Rat CDKN1A(Cyclin Dependent Kinase Inhibitor 1A) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-R0790	Rat NRG-1(Neuregulin 1) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-R0142	Rat CRT(Calreticulin) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-R1085	Rat BMG/ β 2-MG(Beta-2-Microglobulin) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0725	Rat PPAR- α (Peroxisome Proliferator Activated Receptor Alpha) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0943	Rat MAPr(Microtubule Associated Protein Tau/Tau Protein) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R1217	Rat SNC α (Synuclein Alpha) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0948	Rat TNC(Tenascin C) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0080	Rat ATXN1(Ataxin 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0101	Rat BTC(Betacellulin) ELISA Kit	9.375--600pg/mL	5.625pg/mL
E-EL-R0489	Rat HO2(Heme Oxygenase 2) ELISA Kit	1.563--100mU/mL	0.938mU/mL
E-EL-R1034	Rat TPPP(Tubulin Polymerization Promoting Protein) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0032	Rat C-P(C-peptide) ELISA Kit	0.469--30ng/mL	0.281ng/mL
E-EL-R1420	Rat rT3(Reverse Triiodothyronine) ELISA Kit	93.75--6000pg/mL	56.25pg/mL
E-EL-R0800	Rat PROC(Protein C) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-R0982	Rat TJP1(Tight junction protein ZO-1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0603	Rat MIP-1 β (Macrophage Inflammatory Protein 1 Beta) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0518	Rat IgG(Immunoglobulin G) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-R0013	Rat IL-2(Interleukin 2) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0719	Rat PP(Pepsin) ELISA Kit	1.563--100ng/mL	0.938ng/mL
E-EL-R0780	Rat PK2(Prokineticin 2) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0011	Rat IL-1 α (Interleukin 1 Alpha) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0014	Rat IL-4(Interleukin 4) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0903	Rat S-100(Soluble Protein-100) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0556	Rat IL-3(Interleukin 3) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0558	Rat IL-5(Interleukin 5) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0054	Rat Tn-T(Troponin T) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0143	Rat CR(Calretinin) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-R0559	Rat IL-7(Interleukin 7) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R2566	Rat AD(Adropin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0561	Rat IL-9(Interleukin 9) ELISA Kit	15.625--1000pg/mL	9.375pg/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-R0107	Rat BID(BH3 Interacting Domain Death Agonist) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0141	Rat CNX(Calnexin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0064	Rat IL-12(Interleukin 12) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R2446	Rat IL-20(Interleukin 20) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R1010	Rat IL-24(Interleukin 24) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0555	Rat IL-2R α (Interleukin 2 Receptor Alpha) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0564	Rat IL-15(Interleukin 15) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0663	Rat NOX1(Nicotinamide Adenine Dinucleotide Phosphate Oxidase 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0563	Rat IL-13(Interleukin 13) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0566	Rat IL-17(Interleukin 17) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0132	Rat NCAD(Neural Cadherin) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R0565	Rat IL-16(Interleukin 16) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0567	Rat IL-18(Interleukin 18) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R2394	Rat IL-25(Interleukin 25) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0562	Rat IL-11(Interleukin 11) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0485	Rat HHIP(Hedgehog Interacting Protein) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R2445	Rat IL-19(Interleukin 19) ELISA Kit	62.5--4000pg/mL	37.5pg/mL
E-EL-R0568	Rat IL-21(Interleukin 21) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0760	Rat GP II b/ III a(Platelet Membrane Glycoprotein II b/ III a complex) ELISA Kit	0.625--40ng/mL	0.375ng/mL
E-EL-R2440	Rat IL-22(Interleukin 22) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0569	Rat IL-23(Interleukin 23) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0571	Rat IL-32(Interleukin 32) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R2539	Rat CA19-9(Carbohydrate antigen19-9) ELISA Kit	1.563--100U/mL	0.938U/mL
E-EL-R0570	Rat IL-27(Interleukin 27) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0822	Rat PRKAA1(Protein Kinase, AMP Activated Alpha 1) ELISA Kit	3.125--200ng/mL	1.875ng/mL
E-EL-R2558	Rat P II CP(Procollagen II C-Terminal ProPeptide) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-R2423	Rat IL-34(Interleukin 34) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0019	Rat TNF- α (Tumor Necrosis Factor Alpha) ELISA Kit	78.125--5000pg/mL	46.875pg/mL
E-EL-R0833	Rat PYD(Pyridinoline) ELISA Kit	6.25--400ng/mL	3.75ng/mL
E-EL-R0913	Rat SSTR1(Somatostatin Receptor 1) ELISA Kit	0.781--50ng/mL	0.469ng/mL
E-EL-R0350	Rat EGR1(Early Growth Response Protein 1) ELISA Kit	6.25--400pg/mL	3.75pg/mL
E-EL-R0675	Rat NRIP1(Nuclear Receptor Interacting Protein 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R0022	Rat CRP(C-Reactive Protein) ELISA Kit	0.313--20ng/mL	0.188ng/mL



Cat.No	Product Name	Detection Range	Sensitivity
E-EL-R2546	Rat NR2(N-Methyl-D-Aspartate Receptor 2) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0113	Rat BALP(Bone Alkaline Phosphatase) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1438	Rat NOS1/nNOS(Nitric Oxide Synthase 1, Neuronal) ELISA Kit	0.156--10ng/mL	0.094ng/mL
E-EL-R1111	Rat IRS1(Insulin Receptor Substrate 1) ELISA Kit	0.313--20ng/mL	0.188ng/mL
E-EL-R2491	Rat GPX1(Glutathione Peroxidase 1) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0602	Rat MIP-1 α (Macrophage Inflammatory Protein 1 Alpha) ELISA Kit	31.25--2000pg/mL	18.75pg/mL
E-EL-R0433	Rat GCLM(Glutamate Cysteine Ligase, Modifier Subunit) ELISA Kit	15.625--1000pg/mL	9.375pg/mL
E-EL-R0808	Rat PKCB1(Protein Kinase C Beta 1) ELISA Kit	0.156--10ng/mL	0.094ng/mL

Frequently Asked Questions

1. Some tips for ELISA failure

- ① ELISA failure may be caused by many factors. Many unexpected results can be avoided if reading and fully understanding the manual before experiment. You can refer to the tips as following to identify your assay failure.
- ② Check the expiration date of the kit, ensure that all the reagents were stored as suggested in the manual.
- ③ Check for signs of instability or deterioration in reagent solutions, such as precipitation or discoloration and so on.
- ④ The substrate reagent should be colorless.
- ⑤ Use clean plastic disposable pipettes, tips, and containers for reagent preparation and storage. Avoid cross-contamination of reagents by changing pipette tips between addition of each standard, sample and reagent.
- ⑥ Ensure that specified incubation times and temperatures have been guaranteed.
- ⑦ Ensure that no substitution of kit reagents has occurred.
- ⑧ It is recommended that samples and standards should be run in duplicate to improve accuracy.

2. Poor Precision in ELISA experiment

Possible causes	Solutions
Incomplete washing	Ensure that the washing apparatus is working correctly; Ensure adequate time of soaking
Inadequate aspiration of wells	Wells should be fully dry after aspiration
Unequal mixing of reagents	Ensure adequate mixing
Pipetting error	Check the calculation results and make a new standard curve
Inadequate aspiration of wells	Wells should be fully dry after aspiration



3. Poor Standard Curve in ELISA experiment

Possible causes	Solutions
Improper dilution of standard	Use diluent in the kit as blank value; Ensure accurate dilution of highest standard; Ensure accurate completion of 2-fold dilution series
Incomplete washing	Ensure that the washing apparatus is working correctly
Inadequate aspiration of wells	Wells should appear dry after aspiration
Unequal volumes added to wells	Check pipette function; Recalibrate the pipette if necessary
Pipetting error	Set duplicates in each assay

4. High Background in ELISA experiment

Possible causes	Solutions
Insufficient washing	Read the washing procedure described in the manual; Increase the soaking time between washes

5. Too much signal in ELISA experiment

Possible causes	Solutions
Incomplete washing	Ensure that the washing apparatus is working correctly. Ensure adequate time of soaking
Inadequate aspiration of wells	Wells should appear dry after aspiration
Unequal mixing of reagents	Ensure adequate mixing
Pipetting error	Set duplicates in each assay

6. Standard curve achieved but poor discrimination

Possible causes	Solutions
Not enough HRP-Conjugate	Ensure correct dilution
Plate not incubated long enough	Increase Substrate Solution incubation time
Improper calculation of standard curve dilutions	Check the calculation results and make new standard curve

7. Poor Duplicates in ELISA experiment

Possible causes	Solutions
Insufficient washing	Ensure sufficient washing
Plate sealer reused	Use a fresh plate sealer for each step



No plate sealers used

No plate sealers

Buffer contaminated

Prepare fresh buffer

8. Samples ' OD are too high, but standard curve looks fine

Possible causes

Solutions

Determinant level contained in samples is above the kit's detection range

Dilute samples and run again

9. Very low readings across the plate in ELISA experiment

Possible causes

Solutions

Incorrect wavelength

Check the filters/reader

Stop solution was not added

Add stop solution to each well

Insufficient incubation time

Increase the incubation time

Incubation temperature vary wildly

Check the incubator

Incorrect dilutions of detection Ab/HRP-conjugate

Adhere to the manual

The kit has lost its activity

Get a new kit

10. How to wash the ELISA plate?

Correct washing of the wells is very important for a successful ELISA. Deionized or distilled water should be used when diluting the concentrated Wash Buffer.

There are some tips for correct washing in ELISA operation:

Using multi-channel pipette

Firstly, check the strips in the plate to make sure they are firmly in the plate holder. Numbering the strips may be useful in this procedure that strips might become loose while decanting. Secondly, empty the liquid in the plate by decanting. Fill each well with Wash Buffer of the volume specified in the manual. Set a timer for the recommended time and let the Wash Buffer soak in the wells. Decant the wells by inverting the plate and rapping it against clean paper toweling. Repeat this procedure as suggested in the manual. After the last decanting, remove any remaining Wash Buffer by inverting the plate and blotting it dry by rapping it firmly against clean paper toweling on a hard surface. Do not let the wells standing to dry. Proceed immediately to the next step in the manual.

Using manifold dispenser or autowasher

Equip the dispenser or autowasher with an appropriate vacuum supply (refer to manufacturer's guidelines). Ensure that each cannulae is dispensing and aspirating properly. Set the volume of Wash Buffer in each well and soaking time for each washing. Then put the plate in. Ensure that no Wash Buffer is left in the wells after aspiration. Do not over-aspirate the wells by allowing the aspiration apparatus to sit in the wells after the aspiration.

Washing the plate too rapidly or too slowly, incomplete washing or aspirating, and letting the wells standing to dry are factors that will affect the precision of the ELISA.



11. Pipetting Tips for researchers

The key of repeated accuracy in pipetting is consistent technique. Consistent speed and smoothness is necessary during pipetting. Avoid sudden motions when drawing or dispensing liquid.

- ① Check to ensure that the pipette tip is fitted properly on the end of the pipette and seated with adequate pressure.
- ② Change pipette tips between adding each sample or reagent.
- ③ Do not pipette a lower volume than the manufacturer's suggestion. This will decrease the accuracy and reproducibility.
- ④ Some liquids will have a tendency to cling to the inside or outside surfaces of the pipette tips. Pre-rinse the pipette tip with the sample or reagent to avoid variations in the volumes drawn or dispensed caused by this surface tension. This will improve accuracy.
- ⑤ If the reagent to be pipetted is viscous, wait a moment after drawing the liquid to allow the volume to reach equilibrium before removing the pipette tip from the reservoir.
- ⑥ After drawing the liquid into the tip, remove the tip from the solution and wipe the outside of the tip with a lint-free tissue.
- ⑦ If air bubble appears in the tip while drawing the liquid, dispense the liquid back into the container and re-pipette the liquid at a slower rate. If the air bubble appears a second time, discard the pipette tip and replace with a new tip.
- ⑧ If foaming occurs in the tip while drawing up the liquid, it may be necessary to hold the pipette at a slight angle and draw the liquid slower.
- ⑨ Use separate reservoirs for each reagent.

12. Calculation of ELISA results

As the last procedure of ELISA, calculation of results is of great importance to the success of the assay.

- ① ELISA samples are always tested in duplicates or in triplicates, then average the absorbance values for each set of standards and samples.
- ② Subtract the average value of zero standard OD (this step is unnecessary in procedure of competitive ELISA).
- ③ Create standard curve.

Plot a four parameter logistic curve on log-log graph paper, with standard concentration on the x-axis and OD values on the y-axis. The software Origin is recommended to use.

The details are as follows:

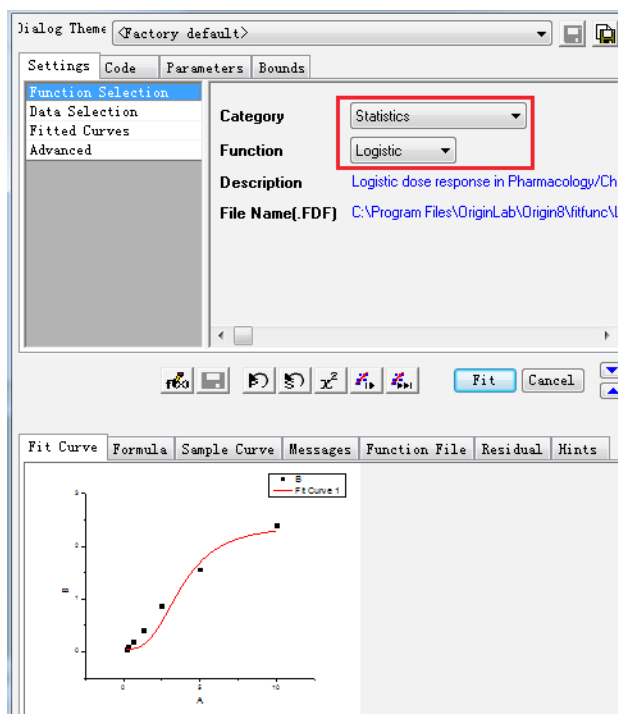
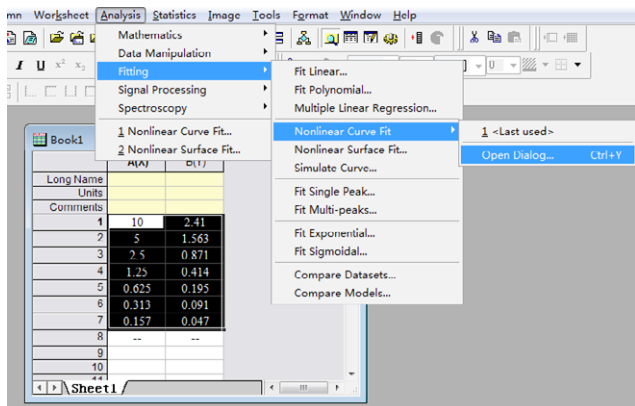
Step 1: Input information of the OD value and concentration of the standards.

	A(X)	B(Y)
Long Name		
Units		
Comments		
1	10	2.41
2	5	1.563
3	2.5	0.871
4	1.25	0.414
5	0.625	0.195
6	0.313	0.091
7	0.157	0.047
8	--	--
9		
10		

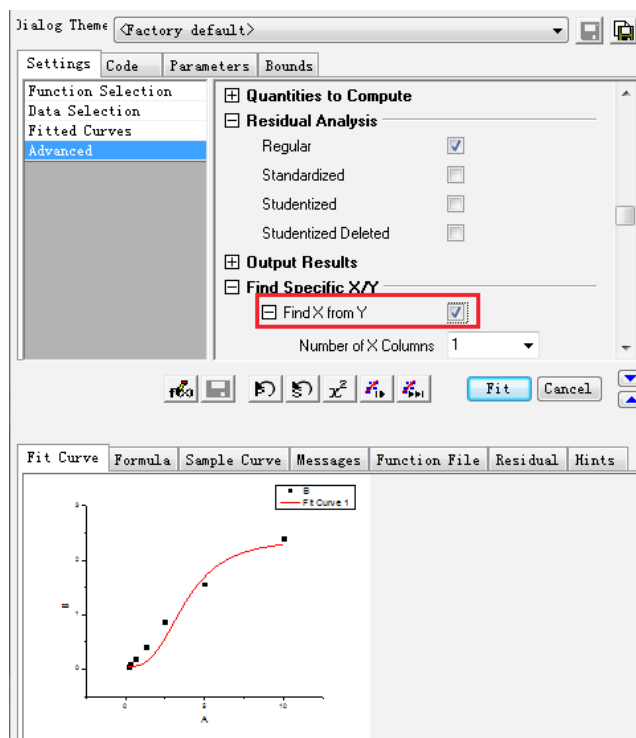


Step 2: Select the curve type.

Select the value box, then select items in turn as below.



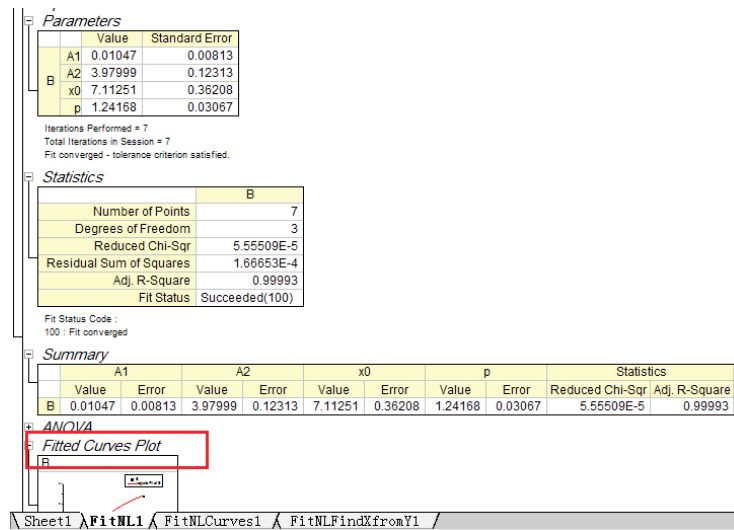
Step 3: Select the specific X/Y.



After setting the above items, click the Fit button, then the curve and its information is produced as showed in step 4.

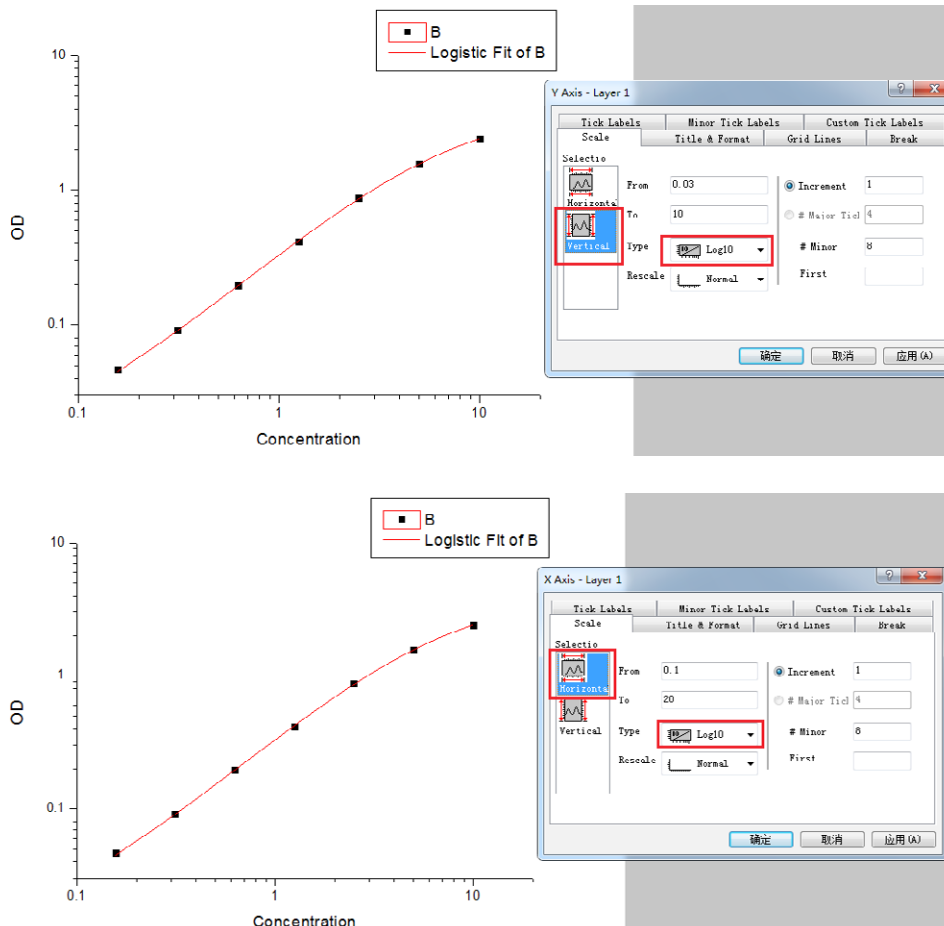


Step 4: Check the information of the standard curve(parameter values, R-Square, etc.).



Step 5: Set the axis to log-log type.

Double click the Fitted Curve Plot in step 4 to make the curve to editable state. Then double click the X axis and Y axis to set them to log type.





Step 6: Calculate the concentrations of samples according to the curve.

Select the 4th work sheet(Fit NLF Find X from Y1) ,input or copy the OD values of the samples to the left column, the concentration will be calculated automatically.

	A(Y)	B(X)
Comments	Fit Curve 1	
Long Name	Enter Y values:	X Value
Parameters	Logistic Fit of B	
1	1.425	4.41798
2	1.258	3.79435
3	0.421	1.24913
4	1.854	6.34105
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18		
19		
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21		
22		
23		
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26		

Sheet1 | FitNLF1 | FitNLCurves1 | **FitNLFindXfromY1**

If the OD value of the sample is out of upper limit of the standard curve in sandwich ELISA (or out of the lower limit of competitive ELISA), these samples should be diluted before determination. As for these samples, the concentration obtained from the standard curve must be multiplied by the dilution factor when analyzing the results.

Part of Published Articles

Cat.No	Target	Species	Publications
E-EL-H5536	sSELP(Soluble P-Selectin)	Human	Yuan B, Chen Q, Ding W Q, et al. Copolymer Coatings Consisting of 2-Methacryloyloxyethyl Phosphorylcholine and 3-Methacryloxypropyl Trimethoxysilane via ATRP To Improve Cellulose Biocompatibility[J]. <i>ACS Applied Materials & Interfaces</i> , 2012, 4(8): 4031-4039. IF: 7.145
E-EL-H2407	IκBα (Inhibitory Subunit of NF Kappa B Alpha)	Human	Qi C, Bao J, Wang J, et al. Asperterpenes A and B, two unprecedented meroterpenoids from <i>Aspergillus terreus</i> with BACE1 inhibitory activities[J]. <i>Chemical Science</i> , 2016, 7(10). IF: 9.147
E-EL-H2181	ALB(Albumin)	Human	He Y, Liu C, Xia X, et al. Conformal microcapsules encapsulating microcarrier-L02 cell complexes for treatment of acetaminophen-induced liver injury in rats[J]. <i>Journal of Materials Chemistry B</i> , 2017, 5(10): 1962-1970. IF: 4.872
E-EL-H2181	ALB(Albumin)	Human	De Miguel C, Hamrick W C, Hobbs J L, et al. Endothelin receptor-specific control of endoplasmic reticulum stress and apoptosis in the kidney[J]. <i>Scientific Reports</i> , 2017, 7. IF: 5.228
E-EL-H2050	PP(Pepsin)	Human	Kang H S, Kim J K, Lee H J, et al. LRP1-dependent pepsin clearance induced by 2'-hydroxycinnamaldehyde attenuates breast cancer cell invasion[J]. <i>International Journal of Biochemistry & Cell Biology</i> , 2014, 53: 15-23. IF: 3.905
E-EL-H1938	CS(Citrate Synthase)	Human	Rhein V F, Carroll J, Ding S, et al. Human METTL12 is a mitochondrial methyltransferase that modifies citrate synthase[J]. <i>FEBS letters</i> , 2017. IF: 3.519
E-EL-H1908	GDF11(Growth Differentiation Factor 11)	Human	Anna Drannik, Joan Martin, Randy Peterson, Xiaoxing Ma, et al. Cerebrospinal fluid from patients with amyotrophic lateral sclerosis inhibits sonic hedgehog function[J]. <i>Plos One</i> , 2017. IF: 3.057



Cat.No	Target	Species	Publications
E-EL-H1902 E-EL-H1858	EPI(Epinephrine/Adrenaline) NA/NE(Noradrenaline/Norepinephrine)	Human	Tang C, Huang X, Kang F, et al. Intranasal Dexmedetomidine on Stress Hormones, Inflammatory Markers, and Postoperative Analgesia after Functional Endoscopic Sinus Surgery[J]. <i>Mediators of Inflammation</i> , 2015, 2015(6). IF: 3.418
E-EL-H1901	NPHN(Nephrin)	Human	Petrica L, Vlad A, Gluhovschi G, et al. Proximal tubule dysfunction is associated with podocyte damage biomarkers nephrin and vascular endothelial growth factor in type 2 diabetes mellitus patients: a cross-sectional study[J]. <i>Plos One</i> , 2014, 9(11): e112538-e112538. IF:3.057
E-EL-H1893	NPY(Neuropeptide Y)	Human	Yongyong Yang, Shenyi Lian ¹ , Lin Meng,et al. Antibody Array Revealed PRL-3 Affects Protein Phosphorylation and Cytokine Secretion[J]. <i>Plos One</i> , 2017. IF: 3.057
E-EL-H1798	DEF α 5 (Defensin Alpha 5, Paneth Cell Specific)	Human	Charles Vraginaua, Jens-Martin Hübner, Peter Beidler, et al. Studies on the interaction of tumor-derived HD5 alpha defensins with adenoviruses and implications for oncolytic adenovirus therapy[J]. <i>Journal of virology</i> , 2017. IF: 4.606
E-EL-H1779 E-EL-H1445 E-EL-H1451 E-EL-H2569	PLAU/Upa (Urokinase-Type Plasminogen Activator) MMP-2(Matrix Metalloproteinase 2) MMP-9(Matrix Metalloproteinase 9) VEGF (Vascular Endothelial Cell Growth Factor)	Human	Wang Z, Yin H, Wang T, et al. Downregulation of FoxM1 inhibits proliferation, invasion and angiogenesis of HeLa cells in vitro and in vivo[J]. <i>Bone</i> , 2014, 45(6): 2355-2364(10). IF:3.736
E-EL-H1586	TGF- α (Transforming Growth Factor α)	Human	Chen Y, Bai X, Qi Z, et al. The hepatitis B virus X protein promotes pancreatic cancer through modulation of the PI3K/AKT signaling pathway[J]. <i>Cancer Letters</i> , 2016, 380(1): 98-105. IF: 5.992
E-EL-H1567	HBsAg(Hepatitis B surface antigen)	Human	Lee G Y, Chang Y W, Ko H, et al. Band-type microelectrodes for amperometric immunoassays[J]. <i>Analytica Chimica Acta</i> , 2016, 928: 39-48. IF: 4.712
E-EL-H1554 E-EL-R0505	HMGB-1(High mobility group protein B1)	Human Rat	Wang X, Chu G, Yang Z, et al. Ethanol directly induced HMGB1 release through NOX2/NLRP1 inflammasome in neuronal cells[J]. <i>Toxicology</i> , 2015, 334: 104-110. IF: 3.817
E-EL-H1507	HP(Haptoglobin)	Human	Esnafoğlu E, Cırrık S, Ayyıldız S N, et al. Increased Serum Zonulin Levels as an Intestinal Permeability Marker in Autistic Subjects[J]. <i>The Journal of Pediatrics</i> , 2017. IF: 3.89
E-EL-H1507	HP(Haptoglobin)	Human	Cangemi R, Della V P, Calvieri C, et al. Low-grade endotoxemia and clotting activation in the early phase of pneumonia[J]. <i>Respirology</i> , 2016, 21(8): 1465-1471. IF: 3.078
E-EL-H1507	HP(Haptoglobin)	Human	Battaglia S, Bertazzoni G, Biliotti E, et al. Low-grade endotoxemia, gut permeability and platelet activation in community-acquired pneumonia[J]. <i>Journal of Infection</i> , 2016, 73(2): 107-114. IF: 4.382
E-EL-H1507	HP(Haptoglobin)	Human	Raparelli V, Basili S, Carnevale R, et al. Low-grade endotoxemia and platelet activation in cirrhosis[J]. <i>Hepatology</i> , 2017, 65(2): 571-581. IF: 11.711
E-EL-H1478	PTHrP (Parathyroid Hormone Related Protein)	Human	Otieno B A, Krause C E, Jones A L, et al. Cancer Diagnostics via Ultrasensitive Multiplexed Detection of Parathyroid Hormone-related Peptides (PTHrP) with a Microfluidic Immunoarray[J]. <i>Analytical Chemistry</i> , 2016. IF: 5.886
E-EL-H1451 E-EL-H2340	MMP-9(Matrix Metalloproteinase 9) 4-HNE(4-Hydroxynonenal)	Human	Wang D, Ma Y, Yang X, et al. Hypermethylation of the Keap1 gene inactivates its function, promotes Nrf2 nuclear accumulation, and is involved in arsenite-induced human keratinocyte transformation[J]. <i>Free Radical Biology and Medicine</i> , 2015, 89: 209-219. IF: 5.784
E-EL-H1451	MMP-9(Matrix Metalloproteinase 9)	Human	Yang X, Wang D, Ma Y, et al. Continuous activation of Nrf2 and its target antioxidant enzymes leads to arsenite-induced malignant transformation of human bronchial epithelial cells[J]. <i>Toxicology & Applied Pharmacology</i> , 2015, 289(2): 231-239. IF: 3.847
E-EL-H1445	MMP-2(Matrix Metalloproteinase 2)	Human	Wang J Q, Kou J, Zhao Z Z, et al. Anthraquinone-bridged diruthenium (II) complexes inhibit migration and invasion of human hepatocarcinoma MHCC97-H cells[J]. <i>Inorganic Chemistry Frontiers</i> , 2017. IF: 4.532
E-EL-H1441	MMP-1(Matrix Metalloproteinase 1)	Human	Liu B, Yi M, Tang Y, et al. MMP-1 promoter polymorphism is associated with risk of radiation-induced lung injury in lung cancer patients treated with radiotherapy[J]. <i>Oncotarget</i> , 2016. IF: 5.008



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Cat.No	Target	Species	Publications
E-EL-H1382	RI(Ribonuclease Inhibitor)	Human	Spencer J D, Schwaderer A L, Eichler T, et al. An endogenous ribonuclease inhibitor regulates the antimicrobial activity of ribonuclease 7 in the human urinary tract[J]. <i>Kidney International</i> , 2014, 85(5): 1179-1191. IF: 7.683
E-EL-H1298	SDC1(Syndecan 1)	Human	Cell surface-anchored syndecan-1 ameliorates intestinal inflammation and neutrophil transmigration in ulcerative colitis[J]. <i>Journal of Cellular & Molecular Medicine</i> , 2017, 21(1): 13-25. IF: 4.938
E-EL-H1277	HIF-1 α (Hypoxia Inducible Factor 1 Alpha)	Human	Bhawna Chandravanshi and Ramesh Ramchandra Bhonde, et al. Shielding engineered islets with Mesenchymal Stem Cells enhance survival under hypoxia[J]. <i>Journal of Cellular Biochemistry</i> , 2017. IF: 3.446
E-EL-H1274	SEMA3A(Semaphorin 3A)	Human	Wang Z, Chen J, Zhang W, et al. Axon guidance molecule Semaphorin3A is a novel tumor suppressor in head and neck squamous cell carcinoma[J]. <i>Oncotarget</i> , 2016, 7(5): 6084-6062. IF: 5.008
E-EL-H1205	NGF(Nerve Growth Factor)	Human	Li R, Wu J, Lin Z, et al. Single injection of a novel nerve growth factor cocervate improves structural and functional regeneration after sciatic nerve injury in adult rats[J]. <i>Experimental Neurology</i> , 2017, 288: 1-10. IF: 4.657
E-EL-H0864	D2D(D-Dimer)	Human	Cubedo J, Padró T, Formiga F, et al. Inflammation and haemostasis in older octogenarians: Implication in 5-year survival[J]. <i>Translational Research</i> , 2017. IF: 4.557
E-EL-H0837	CTX-II(Cross Linked C-telopeptide of Type II Collagen)	Human	Park Y M, Su J K, Lee K J, et al. Detection of CTX-II in serum and urine to diagnose osteoarthritis by using a fluoro-microbeads guiding chip[J]. <i>Biosensors & Bioelectronics</i> , 2015, 67: 192-199. IF: 7.476
E-EL-H0740	NEF3(Neurofilament 3)	Human	Martinez-Nezmorillo E. Neurofilament medium polypeptide (NFM) protein concentration is increased in CSF and serum samples from patients with brain injury[J]. <i>Clinical Chemistry & Laboratory Medicine</i> , 2015, 53(10): 1575-1584. IF: 3.017
E-EL-H0698	CHEM(Chemerin)	Human	Calvet J, Orellana C, Gratacós J, et al. Synovial fluid adipokines are associated with clinical severity in knee osteoarthritis: a cross-sectional study in female patients with joint effusion[J]. <i>Arthritis Research & Therapy</i> , 2016, 1(18): 1-11. IF: 3.979
E-EL-H0673	Cav-1(Caveolin-1)	Human	Platas J, Guillén M I, Caz P D, et al. Paracrine effects of human adipose-derived mesenchymal stem cells in inflammatory stress-induced senescence features of osteoarthritic chondrocytes[J]. <i>Aging</i> , 2016, 8(8): 1703-1717. IF: 5.127
E-EL-H0649	cTn-I/TNNI3(cardiac Troponin I)	Human	Dwaich K H, Alamran F G, Alsheibani B I, et al. Melatonin effects on myocardial ischemia-reperfusion injury: Impact on the outcome in patients undergoing coronary artery bypass grafting surgery[J]. <i>International Journal of Cardiology</i> , 2016, 221: 977-986. IF: 4.638
E-EL-H0149	IL-1 β (Interleukin 1 Beta)		
E-EL-H0753	NOS2/iNOS		
E-EL-H0017	(Nitric Oxide Synthase 2, Inducible) CASP3(Caspase 3)		
E-EL-H0637	CA19-9(Carbohydrate antigen19-9)	Human	Yamada D, Rizvi S, Razumilava N, et al. IL-33 facilitates oncogene-induced cholangiocarcinoma in mice by an interleukin-6-sensitive mechanism[J]. <i>Hepatology</i> , 2015, 61(5): 1627-1642. IF: 11.711
E-EL-H0598	BNP(Brain Natriuretic Peptide)	Human	Gupta R K, Himashree G, Singh K, et al. Elevated pulmonary artery pressure and brain natriuretic peptide in high altitude pulmonary edema susceptible non-mountaineers[J]. <i>Scientific Reports</i> , 2016, 6: 1-5. IF: 5.228
E-EL-H0572	β -EP(Beta-Endorphin)	Human	Tang C, Chai X, Fang K, et al. I-gel Laryngeal Mask Airway Combined with Tracheal Intubation Attenuate Systemic Stress Response in Patients Undergoing Posterior Fossa Surgery[J]. <i>Mediators of Inflammation</i> , 2015, 2015(7). IF: 3.418
E-EL-H1027	SOD(Superoxide Dismutase, Soluble)		
E-EL-H0543	A β 1-42(Amyloid Beta Peptide 1-42)	Human	Luciano R, Barraco G M, Muraca M, et al. Biomarkers of Alzheimer Disease, Insulin Resistance, and Obesity in Childhood[J]. <i>Pediatrics</i> , 2015, 135(6): 1074-1081. IF: 5.196
E-EL-H2440	PS1(Presenilin 1)		
E-EL-H0532	ANP(Atrial Natriuretic Peptide)	Human	Soree P, Gupta R K, Singh K, et al. Raised HIF1 α during normoxia in high altitude pulmonary edema susceptible non-mountaineers[J]. <i>Scientific Reports</i> , 2016, 6. IF: 5.228
E-EL-H0463	ApoA4(Apolipoprotein A4)	Human	Luczak M, Formanowicz D, Łukasz Marczak, et al. iTRAQ-based proteomic analysis of plasma reveals abnormalities in lipid metabolism, proteins in chronic kidney disease-related atherosclerosis[J]. <i>Scientific Reports</i> , 2016, 6: 32511. IF: 5.228



Cat.No	Target	Species	Publications
E-EL-H0427	IAA(Insulin Autoantibody)	Human	Carnevale R, Loffredo L, Ben M D, et al. Extra virgin olive oil improves post-prandial glycemic and lipid profile in patients with impaired fasting glucose[J]. Clinical Nutrition, 2016. IF: 4.487
E-EL-H0148	GLP-1(Glucagon Like Peptide 1)		
E-EL-H1642	ApoB48(Apolipoprotein B48)		
E-EL-H0058	DPP4(Dipeptidyl Peptidase IV)		
E-EL-H0344	CDNF (Cerebral Dopamine Neurotrophic Factor)	Human	Li D, Wang Q, Zhang Y, et al. A Novel Swine Model of Spontaneous Hypertension With Sympathetic Hyperactivity Responds Well to Renal Denervation[J]. American Journal of Hypertension, 2016, 29(1): 63-72. IF: 3.182
E-EL-0045	EPI(Epinephrine/Adrenaline)		
E-EL-0047	NA/NE(Noradrenaline/Norepinephrine)		
E-EL-H0315	AMBP(Alpha-1-Microglobulin/Bikunin Precursor)	Human	Luczak M, Suszynska-Zajczyk J, Marczak L, et al. Label-Free Quantitative Proteomics Reveals Differences in Molecular Mechanism of Atherosclerosis Related and Non-Related to Chronic Kidney Disease[J]. International Journal of Molecular Sciences, 2016, 17(5). IF: 3.257
E-EL-H0055	Cys-C(Cystatin C)		
E-EL-H2188	BMG/β2-MG(Beta-2-Microglobulin)		
E-EL-H0463	ApoA4(Apolipoprotein A4)		
E-EL-H2110	FGα(Fibrinogen Alpha)		
E-EL-H2111	FGβ(Fibrinogen Beta)		
E-EL-H0387	FGγ(Fibrinogen Gamma chain)		
E-EL-H0263	ADAM10(A Disintegrin And Metalloprotease 10)	Human	Kuo H W, Shih C L, Tsung J H, et al. Pharmacogenomics study on cadherin 2 network with regard to HIV infection and methadone treatment outcome[J]. PloS one, 2017, 12(3): e0174647. IF: 3.057
E-EL-H0190	C5a(Complement Component 5a)	Human	Wu Y, Wang Y, Qin F, et al. CD55 limits sensitivity to complement-dependent cytotoxicity triggered by heterologous expression of α-gal xenoantigen in colon tumor cells[J]. AJP Gastrointestinal & Liver Physiology, 2014, 306(12): G1056-64. IF: 3.297
E-EL-H0185	PINP (Procollagen I N-terminal Propeptide)	Human	Zhang K, Wang C, Chen Y, et al. Preservation of high-fat diet-induced femoral trabecular bone loss through genetic target of TNF-α[J]. Endocrine, 2015, 50(1): 239-249. IF: 3.279
E-EL-H0835	CTXI(Cross Linked C-telopeptide of Type I Collagen)		
E-EL-H0183	P III NP (N-Terminal Procollagen III Propeptide)	Human	Barchetta I, Del B M, Angelico F, et al. No effects of oral vitamin D supplementation on non-alcoholic fatty liver disease in patients with type 2 diabetes: a randomized, double-blind, placebo-controlled trial[J]. BMC Medicine, 2016, 14(1): 1-10. IF: 8.005
E-EL-H0155	CD42(Cluster of Differentiation 42)	Human	Yuan B, Chen Q, Ding W Q, et al. Copolymer coatings consisting of 2-methacryloyloxyethyl phosphorylcholine and 3-methacryloyloxypropyl trimethoxysilane via ATRP to improve cellulose biocompatibility[J]. ACS Applied Materials & Interfaces, 2012, 4(8): 4031-4039. IF: 7.145
E-EL-H0119	REN(Renin)	Human	Madhu Nath, Parijat Chandra, Nabanita Halder, et al. Involvement of Renin-Angiotensin System in Retinopathy of Prematurity - A Possible Target for Therapeutic Intervention[J]. Plos One, 2016. IF: 3.057
E-EL-H0300	AGT(Angiotensinogen)		
E-EL-H0002	ACE(Angiotensin I Converting Enzyme)		
E-EL-H0326	Ang- II (Angiotensin II)		
E-EL-H2164	VEGF-B(Vascular Endothelial Cell Growth Factor B)		
E-EL-H1277	HIF-1α(Hypoxia Inducible Factor 1 Alpha)		
E-EL-H0111	VEGF-A(Vascular Endothelial Cell Growth Factor A)	Human	Zhang F, Lu Y, Chen Q, et al. Identification of NCK1 as a novel downstream effector of STAT3 in colorectal cancer metastasis and angiogenesis[J]. Cellular Signalling, 2017. IF: 4.191
E-EL-H1451	MMP-9(Matrix Metalloproteinase 9)	Human	He Y H, Li M F, Zhang X Y, et al. NLRC5 promotes cell proliferation via regulating the AKT/VEGF-A signaling pathway in hepatocellular carcinoma[J]. Toxicology, 2016, 359: 47-57. IF: 3.817
E-EL-H0111	VEGF-A(Vascular Endothelial Cell Growth Factor A)		
E-EL-H0110	TGF-β1 (Transforming Growth Factor Beta 1)	Human	Zhang L, Wang Y, Xia T, et al. Suppression for lung metastasis by depletion of collagen I and lysyl oxidase via losartan assisted with paclitaxel-loaded pH-sensitive liposomes in breast cancer[J]. Drug Delivery, 2016: 1-10. IF: 4.843
E-EL-H0109	TNF-α(Tumor Necrosis Factor Alpha)	Human	Tang Y, Zhang Y C, Chen Y, et al. The role of miR-19b in the inhibition of endothelial cell apoptosis and its relationship with coronary artery disease[J]. Scientific Reports, 2015, 5. IF: 5.228
E-EL-H0481	APAF1 (Apoptosis Protease Activating Factor 1)		
E-EL-H0661	Human CASP7(Caspase 7) ELISA Kit		



Cat.No	Target	Species	Publications
E-EL-H0109 E-EL-H0192 E-EL-H0149	TNF- α (Tumor Necrosis Factor Alpha) IL-6R(Interleukin 6 Receptor) IL-1 β (Interleukin 1 Beta)	Human	Veena V K, Popavath R N, Kennedy K, et al. In vitro antiproliferative, pro-apoptotic, antimetastatic and anti-inflammatory potential of 2, 4-diacetylphloroglucinol (DAPG) by <i>Pseudomonas aeruginosa</i> strain FP10[J]. <i>Apoptosis</i> , 2015, 20(10): 1281-1295. IF: 3.592
E-EL-H0109 E-EL-H0102 E-EL-H0103	TNF- α (Tumor Necrosis Factor Alpha) IL-6(Interleukin 6) IL-10(Interleukin 10)	Human	Zhao Y, Jiang C, He J, et al. Multifunctional dextran sulfate-coated reconstituted high density lipoproteins target macrophages and promote beneficial antiatherosclerotic mechanisms[J]. <i>Bioconjugate Chemistry</i> , 2016. IF: 4.5
E-EL-H0109 E-EL-H0150 E-EL-H0149	TNF- α (Tumor Necrosis Factor Alpha) IL-12(Interleukin 12) IL-1 β (Interleukin 1 Beta)	Human	Jiang Y, Kou J, Han X, et al. ROS-Dependent Activation of Autophagy through the PI3K/Akt/mTOR Pathway Is Induced by Hydroxysafflor Yellow A-Sonodynamic Therapy in THP-1 Macrophages[J]. <i>Oxidative medicine and cellular longevity</i> , 2017, 2017. IF: 4.492
E-EL-H0109 E-EL-H0102 E-EL-H0088	TNF- α (Tumor Necrosis Factor Alpha) IL-6(Interleukin 6) IL-1 α (Interleukin 1 Alpha)	Human	Chen W H, Luo G F, Lei Q, et al. Overcoming the Heat Endurance of Tumor Cells by Interfering with the Anaerobic Glycolysis Metabolism for Improved Photothermal Therapy[J]. <i>ACS nano</i> , 2017, 11(2): 1419-1431. IF: 13.334
E-EL-H0109	TNF- α (Tumor Necrosis Factor Alpha)	Human	Liu Q, Xu C, Ji G, et al. Sublethal Effects of Zinc Oxide Nanoparticles on Male Reproductive Cells[J]. <i>Toxicology in Vitro</i> , 2016, 35: 131-138. IF: 3.338
E-EL-H0109	TNF- α (Tumor Necrosis Factor Alpha)	Human	Xiaopeng Zhang, Weilong Shang, Jizhen Yuan, et al. Positive Feedback Cycle of TNF α Promotes Staphylococcal Enterotoxin B-Induced THP-1 Cell Apoptosis[J]. <i>Front. Cell. Infect. Microbiol.</i> , 21 September 2016. IF: 5.218
E-EL-H0108 E-EL-H0101	IFN- γ (Interferon Gamma) IL-4(Interleukin 4)	Human	Xia G, Xin S, Zheng X, et al. Decreased expression of programmed death 1 on peripheral blood lymphocytes disrupts immune homeostasis in peripartum cardiomyopathy[J]. <i>International Journal of Cardiology</i> , 2016, 223: 842-847. IF: 4.638
E-EL-H0108	IFN- γ (Interferon Gamma)	Human	Wu R X, Yu Y, Yin Y, et al. Platelet lysate supports the in vitro expansion of human periodontal ligament stem cells for cytotherapeutic use[J]. <i>Journal of Tissue Engineering & Regenerative Medicine</i> , 2016. IF: 4.71
E-EL-H0108	IFN- γ (Interferon Gamma)	Human	Rui-Xin Wu, Yang Y, Yuan Y, et al. Platelet lysate supports the in vitro, expansion of human periodontal ligament stem cells for cytotherapeutic use[J]. <i>Journal of Tissue Engineering & Regenerative Medicine</i> , 2016. IF: 4.71
E-EL-H0105 E-EL-H1064 E-EL-H1580 E-EL-H5574	IL-17(Interleukin 17) cPLA2(Cytosolic Phospholipase A2) PGE2(Prostaglandin E2) COX2(Cytochrome C Oxidase Subunit II)	Human	Sun Z, Wenbin L I, Hospital B J S. Diet induced hyperhomocysteinemia increases intestinal inflammation in an animal model of colitis[J]. <i>Journal of Crohn S & Colitis</i> , 2015(2): 58-60. IF: 6.585
E-EL-H0102 E-EL-H0109	IL-6(Interleukin 6) TNF- α (Tumor Necrosis Factor Alpha)	Human	Liao Y, Liu P, Guo F, et al. Oxidative burst of circulating neutrophils following traumatic brain injury in human[J]. <i>Plos One</i> , 2013, 8(7): e68963. IF: 3.057
E-EL-H0099 E-EL-H0101 E-EL-H0102 E-EL-H0103 E-EL-H0108	IL-2(Interleukin 2) IL-4(Interleukin 4) IL-6(Interleukin 6) IL-10(Interleukin 10) IFN- γ (Interferon Gamma)	Human	Li W, Dong H, Huang Y, et al. <i>Clonorchis sinensis</i> Co-infection Could Affect the Disease State and Treatment Response of HBV Patients[J]. <i>Plos Neglected Tropical Diseases</i> , 2016, 10(6): e0004806. IF: 3.948
E-EL-H0099	IL-2(Interleukin 2)	Human	Zhipeng Zeng, Ke Wang, Yuanyuan Li, et al. Down-regulation of microRNA-451a facilitates the activation and proliferation of CD4+ T cells by targeting Myc in patients with dilated cardiomyopathy[J]. <i>The Journal of Biological Chemistry</i> , 2016. IF: 4.258
E-EL-H0091 E-EL-H0102 E-EL-H5413	PSA(Prostate Specific Antigen) IL-6(Interleukin 6) PSMA (Prostate specific membrane antigen)	Human	Liu J, Lu C Y, Zhou H, et al. Flexible Gold Electrode Array for Multiplexed Immuno-electrochemical Measurement of Three Protein Biomarkers for Prostate Cancer[J]. <i>Acs Applied Materials & Interfaces</i> , 2014, 6(22): 20137-20143. IF: 7.145
E-EL-H0088 E-EL-H0048	IL-1 α (Interleukin 1 Alpha) IL-8(Interleukin 8)	Human	Tang Y, Jin X, Xiang Y, et al. The lncRNA MALAT1 protects the endothelium against ox-LDL-induced dysfunction via upregulating the expression of the miR-22-3p target genes CXCR2 and AKT[J]. <i>Febs Letters</i> , 2015, 589(20): 3189-3196. IF: 3.519
E-EL-H0085	IFN- β (Interferon Beta)	Human	Chen J, Xu W, Chen Y, et al. Matrix Metalloproteinase 9 Facilitates Hepatitis B Virus Replication through Binding with Type I Interferon (IFN) Receptor 1 To Repress IFN/JAK/STAT Signaling[J]. <i>Journal of Virology</i> , 2017, 91(8): e01824-16. IF: 4.606
E-EL-H0085	IFN- β (Interferon Beta)	Human	Peng D, Wang Z, Huang A, et al. A Novel Function of F-Box Protein FBXO17 in Negative Regulation of Type I IFN Signaling by Recruiting PP2A for IFN Regulatory Factor 3 Deactivation[J]. <i>Journal of Immunology</i> , 2016. IF: 4.985



Cat.No	Target	Species	Publications
E-EL-H0085	IFN- β (Interferon Beta)	Human	Junbo Chen, Wei Xu, Yanni Chen, et al. MMP-9 Facilitates Hepatitis B Virus Replication through Binding with IFNAR1 to 2 Repress IFN/JAK/STAT Signaling[J]. journal of virology, 2017. IF: 4.606
E-EL-H0071	AFGF/FGF1 (Acidic Fibroblast Growth Factor 1)	Human	Bai Y P, Shang K, Chen H, et al. FGF-1/-3/FGFR4 signaling in cancer-associated fibroblasts promotes tumor progression in colon cancer through Erk and MMP-7[J]. Cancer Science, 2015, 106(10): 1278-1287. IF: 3.896
E-EL-H0008	ANG2(Angiopoietin 2)	Human	El-Asrar M A, Elbarbary N S, Ismail E A R, et al. Circulating angiopoietin-2 levels in children and adolescents with type 1 diabetes mellitus: relation to carotid and aortic intima-media thickness[J]. Angiogenesis, 2016, 19(3): 421-431. IF: 4.301
E-EL-H0004	ADP/Acrp30(Adiponectin)	Human	Shanaki M, Fadaei R, Moradi N, et al. The Circulating CTRP13 in Type 2 Diabetes and Non-Alcoholic Fatty Liver Patients[J]. Plos One, 2016, 11(12): e0168082. IF: 3.057
E-EL-H0004	ADP/Acrp30(Adiponectin)	Human	Gao S, Cheng Y, Zhao L, et al. The relationships of irisin with bone mineral density and body composition in PCOS patients[J]. Diabetes/metabolism Research & Reviews, 2015, 32(4): 421-428. IF: 3.064
E-EL-0090	Pg(Progesterone)	Human	Yang X, Zhang W, Chen Y, et al. Activation of PPAR γ and CD36 expression--the dual pathophysiological roles of progesterone[J]. Journal of Biological Chemistry, 2016. IF: 4.258
E-EL-0030	Cortisol	Human	Sun B, Gou Y, Ma Y, et al. Investigate electrochemical immunosensor of cortisol based on gold nanoparticles/magnetic functionalized reduced graphene oxide[J]. Biosensors & Bioelectronics, 2016. IF: 7.476
E-EL-0026 E-EL-0071	GSH(Glutathione) GnRH(Gonadotropin-Releasing Hormone)	Human	Muhammad O. Al-Muhammadi1, Bushra J. Al-Rubaie2, Mais A. Al-Turaihi3 The Role of Reproductive Hormones on Fertility with Beta-Thalassemia[J]. International Journal of Science and Research (IJSR) Volume 5 Issue 2, February 2016. IF: 5.611
E-EL-0022 E-EL-H0760	PGI2(Prostacyclin) F9(Coagulation Factor IX)	Human	Wang H, Zhao R, Guo C, et al. Knockout of BRD7 results in impaired spermatogenesis and male infertility[J]. Scientific Reports, 2016, 6. IF: 5.228
E-EL-R2466 E-EL-0047	INS(Insulin) NA/NE(Noradrenaline/Norepinephrine)	Rat	He J L, Zhao M, Xia J J, et al. FGF21 ameliorates the neurocontrol of blood pressure in the high fructose-drinking rats[J]. Scientific Reports, 2016, 6. IF: 5.228
E-EL-R2466	INS(Insulin)	Rat	Guo Y, Liu C Q, Shan C X, et al. Gut microbiota after Roux-en-Y gastric bypass and sleeve gastrectomy in a diabetic rat model: Increased diversity and associations of discriminant genera with metabolic changes[J]. Diabetes/metabolism research and reviews, 2017, 33(3). IF: 3.064
E-EL-R1431	ACCPA(anti-cyclic citrullinated peptide antibody)	Rat	Corrêa M G, Sacchetti S B, Ribeiro F V, et al. Periodontitis increases rheumatic factor serum levels and citrullinated proteins in gingival tissues and alter cytokine balance in arthritic rats[J]. PloS one, 2017, 12(3): e0174442. IF: 3.057
E-EL-R1430 E-EL-R0030	ANG II (Angiotensin II) REN(Renin)	Rat	Hohl M. Modulation of the sympathetic nervous system by renal denervation prevents reduction of aortic distensibility in atherosclerosis prone ApoE-deficient rats[J]. Journal of Translational Medicine, 2016, 14(1): 1-11. IF: 3.694
E-EL-R1414	P I NP(Procollagen Type I N-Terminal Propeptide)	Rat	Cui H, Zhu Y, Yang Q, et al. Necrostatin-1 treatment inhibits osteocyte necroptosis and trabecular deterioration in ovariectomized rats[J]. Scientific Reports, 2016, 6: 33803. IF: 5.228
E-EL-R1414	P I NP(Procollagen Type I N-Terminal Propeptide)	Rat	Lai P, Song Q, Yang C, et al. Loss of Rictor with aging in osteoblasts promotes age-related bone loss[J]. Cell Death & Disease, 2016, 7(10): e2408. IF: 5.378
E-EL-R1401 E-EL-R1402	A β 1-40(Amyloid Beta 1-40) A β 1-42(Amyloid Beta 1-42)	Rat	Lin L, Yang S S, Chu J, et al. Region-specific expression of tau, amyloid- β protein precursor, and synaptic proteins at physiological condition or under endoplasmic reticulum stress in rats[J]. Journal of Alzheimers Disease Jad, 2014, 41(4): 1149-1163. IF: 3.92
E-EL-R1401 E-EL-R1402	A β 1-40(Amyloid Beta 1-40) A β 1-42(Amyloid Beta 1-42)	Rat	Gao H, Yan P, Zhang S. Chronic alpha-linolenic acid treatment alleviates age-associated neuropathology: roles of PERK/eIF2 α signaling pathway[J]. Brain Behavior & Immunity, 2015. IF: 5.889
E-EL-R1327	CK-MB(Creatine Kinase MB Isoenzyme)	Rat	Su W, Yuan Z, Zhang Q, et al. N-acetylcysteine attenuates myocardial dysfunction and postischemic injury by restoring caveolin-3/eNOS signaling in diabetic rats[J]. Cardiovascular Diabetology, 2016, 15(1):146. IF: 4.534



Cat.No	Target	Species	Publications
E-EL-R1327	CK-MB(Creatine Kinase MB Isoenzyme)	Rat	Xue R, Lei S, Xia Z Y, et al. Selective Inhibition of PTEN Preserves Ischemic Postconditioning Cardioprotection in STZ-induced Type1 Diabetic Rats: Role of the PI3K/ Akt and JAK2/ STAT3 Pathways[J]. <i>Clinical Science</i> , 2016, 130(5): 377. IF: 5.016
E-EL-R1253	cTn-I/TNNI3(Cardiac Troponin I)	Rat	Ruisong M, Xiaorong H, Gangying H, et al. The Protective Role of Interleukin-33 in Myocardial Ischemia and Reperfusion Is Associated with Decreased HMGB1 Expression and Up-Regulation of the P38 MAPK Signaling Pathway[J]. <i>Plos One</i> , 2015, 10(11): e0143064. IF: 3.057
E-EL-R1210	ApoA1(Apolipoprotein A1)	Rat	Xu H, Zhao C F, Tian G G, et al. Characterization of active constituents in <i>Pyracantha fortuneana</i> , fruit extract and their effects on hyperlipidaemia, obesity, and oxidative stress in rodents[J]. <i>Journal of Functional Foods</i> , 2016, 22: 278-290. IF: 3.973
E-EL-R1203	VLDL(Very Low Density Lipoprotein)	Rat	Jie Z, Lu T, Fei C, et al. Choline Protects Against Intestinal Failure-Associated Liver Disease in Parenteral Nutrition-Fed Immature Rats[J]. 2016. IF: 3.517
E-EL-R1085	BMG/ β 2-MG(Beta-2-Microglobulin)	Rat	Zhou M, Zhang X, Wen X, et al. Development of a Functional Glomerulus at the Organ Level on a Chip to Mimic Hypertensive Nephropathy[J]. <i>Scientific Reports</i> , 2016, 6: 31771. IF: 5.228
E-EL-R0518	IgG(Immunoglobulin G)		
E-EL-R0939	TRACP-5b(Tartrate-Resistant Acid Phosphatase 5b)	Rat	Kang W B, Deng Y T, Wang D S, et al. Osteoprotective effects of estrogen membrane receptor GPR30 in, ovariectomized rats[J]. <i>Journal of Steroid Biochemistry & Molecular Biology</i> , 2015, 154: 237-244. IF: 3.985
E-EL-R0279	ICTP(Cross-linked C-Telopeptide of Type I Collagen)		
E-EL-R0911	FLT1/VEGFR1(Vascular Endothelial Growth Factor Receptor 1)	Rat	Ushida T, Kotani T, Tsuda H, et al. Molecular hydrogen ameliorates several characteristics of preeclampsia in the Reduced Uterine Perfusion Pressure (RUPP) rat model.[J]. <i>Free Radical Biology & Medicine</i> , 2016. IF: 5.784
E-EL-R0796	PSA(Prostate Specific Antigen)	Rat	Afriyie D K, Asare G A, Bugyei K, et al. Treatment of benign prostatic hyperplasia with <i>Croton membranaceus</i> , in an experimental animal model[J]. <i>Journal of Ethnopharmacology</i> , 2014, 157: 90-98. IF: 3.055
E-EL-R0780	PK2(Prokineticin 2)	Rat	Chen B, Zhang H, Liu L, et al. PK2/PKR1 Signaling Regulates Bladder Function and Sensation in Rats with Cyclophosphamide-Induced Cystitis[J]. <i>Mediators of Inflammation</i> , 2015, 2015(4): 1-9. IF: 3.418
E-EL-R0713	Smad3(Mothers Against Decapentaplegic Homolog 3)	Rat	Guo Y, Dong Z, Shi Y, et al. Sonodynamic therapy inhibits fibrogenesis in rat cardiac fibroblasts induced by TGF- β 1[J]. <i>Cellular Physiology and Biochemistry</i> , 2016, 40(3-4): 579-588. IF: 4.652
E-EL-R1448	GSK3 β (Glycogen Synthase Kinase 3 Beta)		
E-EL-R0710	OxLDL(Oxidized Lowdensity Lipoprotein)	Rat	Yida Z, Imam MU, Ismail M, et al. N-Acetylneuraminic acid attenuates hypercoagulation on high fat diet-induced hyperlipidemic rats[J]. <i>Food & Nutrition Research</i> , 2015, 59. IF: 3.226
E-EL-R0965	TXB2(Thromboxanes B2)		
E-EL-R0966	TXB3(Thromboxanes B3)		
E-EL-R0582	LEP(Leptin)		
E-EL-R1079	VWF(Von Willebrand Factor)		
E-EL-0022	PGI2(Prostacyclin)		
E-EL-R0710	OxLDL(Oxidized Lowdensity Lipoprotein)	Rat	Zhang Y, Imam M U, Ismail M, et al. Edible bird's nest attenuates procoagulation effects of high-fat diet in rats[J]. <i>Drug Design, Development & Therapy</i> , 2015, 9(9): 3951. IF: 3.428
E-EL-R0965	TXB2(Thromboxanes B2)		
E-EL-R0966	TXB3(Thromboxanes B3)		
E-EL-R0582	LEP(Leptin)		
E-EL-R1079	VWF(Von Willebrand Factor)		
E-EL-0022	PGI2(Prostacyclin)		
E-EL-R0710	OxLDL(Oxidized Lowdensity Lipoprotein)	Rat	Pereira R R, Guerra J F D C, Lage N N, et al. Açai (<i>Euterpe oleracea</i> Mart.) Upregulates Paraoxonase 1 Gene Expression and Activity with Concomitant Reduction of Hepatic Steatosis in High-Fat Diet-Fed Rats[J]. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016. IF: 4.492
E-EL-R0693	OXA(Orexin A)	Rat	Guo S J, Cui Y, Huang Z Z, et al. Orexin A-mediated AKT signaling in the dentate gyrus contributes to the acquisition, expression and reinstatement of morphine-induced conditioned place preference[J]. <i>Addiction Biology</i> , 2015, 139(10): 210-215. IF: 4.547
E-EL-R0644	OXB(Orexin B)		
E-EL-R0658	NT-3(Neurotrophin 3)	Rat	Guo Y, Su Z, Chen Y, et al. BDNF/NT3 Regulate AIS Location and Affect Neuronal Excitability in Cultured Hippocampal Neurons[J]. <i>Journal of Neurochemistry</i> , 2017. IF: 3.842



Cat.No	Target	Species	Publications
E-EL-R0647	NAGase (N-Acetyl Beta-D-Glucosaminidase)	Rat	Sordi R, Chiazza F, Johnson F L, et al. Inhibition of IκB Kinase Attenuates the Organ Injury and Dysfunction Associated with Hemorrhagic Shock[J]. <i>Molecular Medicine</i> , 2014, 21(1): 563-575. IF: 4.469
E-EL-R0644	OXB(Orexin B)	Rat	Guo S J, Cui Y, Huang Z Z, et al. Orexin A-mediated AKT signaling in the dentate gyrus contributes to the acquisition, expression and reinstatement of morphine-induced conditioned place preference[J]. <i>Addiction Biology</i> , 2016, 3(21): 547-559. IF: 4.547
E-EL-R0633	MCP-1(Monocyte Chemotactic Protein 1)	Rat	Cang D, Guo K, Zhao F. Dendritic cells enhance UHMWPE wear particle-induced osteoclast differentiation of macrophages[J]. <i>Journal of Biomedical Materials Research Part A</i> , 2015, 103(10): 3349-3354. IF: 3.263
E-EL-M0049	TNF-α(Tumor Necrosis Factor Alpha)	Mouse	
E-EL-R0633	MCP-1(Monocyte Chemotactic Protein 1)	Rat	Wu D, Luo N, Wang L, et al. Hydrogen sulfide ameliorates chronic renal failure in rats by inhibiting apoptosis and inflammation through ROS/MAPK and NF-κB signaling pathways[J]. <i>Scientific Reports (Nature Publisher Group)</i> , 2017, 7: 1. IF: 5.228
E-EL-R0019	TNF-α(Tumor Necrosis Factor Alpha)		
E-EL-R0015	IL-6(Interleukin 6)		
E-EL-R0016	IL-10(Interleukin 10)		
E-EL-R0582	LEP(Leptin)	Rat	Wang Z, Chen J, Zhang W, et al. Axon guidance molecule Semaphorin3A is a novel tumor suppressor in head and neck squamous cell carcinoma[J]. <i>Oncotarget</i> , 2016. IF: 5.008
E-EL-R2466	INS(Insulin)		
E-EL-R0329	ADP/Acrp30(Adiponectin)		
E-EL-R0582	LEP(Leptin)	Rat	Zhang Y, Imam M U, Ismail M, et al. N-Acetylneuraminic acid attenuates hypercoagulation on high fat diet-induced hyperlipidemic rats[J]. <i>Food & Nutrition Research</i> , 2015, 59: 29046. IF: 3.226
E-EL-R0710	OxLDL(Oxidized Lowdensity Lipoprotein)		
E-EL-R1079	VWF(Von Willebrand Factor)		
E-EL-0022	PGI2(Prostacyclin)		
E-EL-R0574	AR(Amphiregulin)	Rat Universal	Nasir N A A, Agarwal R, Kadir S H S A, et al. Reduction of oxidative-nitrosative stress underlies anticataract effect of topically applied tocotrienol in streptozotocin-induced diabetic rats[J]. <i>PLoS one</i> , 2017, 12(3): e0174542. IF: 3.057
E-EL-R2397	NFκB2(Nuclear Factor Kappa B2)		
E-EL-R0730	PIKβα(Phospho-Inhibitory Subunit Of NF-KBα)		
E-EL-R0520	NOS2/iNOS		
E-EL-R2518	(Nitric Oxide Synthase 2, Inducible)		
E-EL-0040	CAPN2 (Calpain-2 catalytic subunit) 3-NT(3-Nitrotyrosine)		
E-EL-R0573	MUC2(Mucin 2)	Rat	S-J L, Jung Y H, Oh S Y, et al. <i>Vibrio vulnificus</i> VvpE inhibits mucin 2 expression by hypermethylation via lipid raft-mediated ROS signaling in intestinal epithelial cells[J]. <i>Cell Death & Disease</i> , 2015, 6(6): e1787. IF: 5.378
E-EL-R0505	HMGB-1(High Mobility Group Protein B1)	Rat	Antón M, Alén F, Gómez d H R, et al. Oleoylethanolamide prevents neuroimmune HMGB1/TLR4/NF-κB danger signaling in rat frontal cortex and depressive-like behavior induced by ethanol binge administration[J]. <i>Addiction Biology</i> , 2016. IF: 4.547
E-EL-R0407	GIP(Gastric Inhibitory Polypeptide)	Rat	Zhang Y, Li X, Li J, et al. The anti-hyperglycemic efficacy of a lipid-lowering drug Daming capsule and the underlying signaling mechanisms in a rat model of diabetes mellitus[J]. <i>Scientific Reports</i> , 2016, 6: 34284. IF: 5.228
E-EL-R0344	TM(Thrombin)	Rat	Hashimoto K, Kim H, Oishi H, et al. Annexin V homodimer protects against ischemia reperfusion-induced acute lung injury in lung transplantation[J]. <i>Journal of Thoracic & Cardiovascular Surgery</i> , 2016, 151(3): 861-869. IF: 3.494
E-EL-R0327	DPD(Deoxypyridinoline)	Rat	Deng Y, Kang W, Zhao J, et al. Osteoprotective Effect of Echinocystic Acid, a Triterpene Component from <i>Eclipta prostrata</i> , in Ovariectomy-Induced Osteoporotic Rats[J]. <i>Plos One</i> , 2015, 10(8): e0136572. IF: 3.057
E-EL-R0243	OC/BGP(Osteocalcin)		
E-EL-R0012	IL-1β(Interleukin 1 Beta)		
E-EL-R0019	TNF-α(Tumor Necrosis Factor Alpha)		
E-EL-R0269	CORT(Corticosterone)	Rat	Li H W, Wei C, Mei Y, et al. Nr3C1-Bhlhb2 Axis Dysregulation Is Involved in the Development of Attention Deficit Hyperactivity[J]. <i>Molecular Neurobiology</i> , 2016: 1-17. IF: 5.397
E-EL-R0233	COL1(Collagen Type I)	Rat	Wang H, Wu J, Zhang X, et al. Study of synergistic role of allogenic skin-derived precursor differentiated Schwann cells and heregulin-1β in nerve regeneration with an acellular nerve allograft[J]. <i>Neurochemistry International</i> , 2016, 97: 146-153. IF: 3.385
E-EL-R0235	COL3(Collagen Type III)		
E-EL-R0167	ET-1(Endothelin 1)	Rat	Zhang K, Wang D, Jiang Z, et al. Endothelial dysfunction correlates with decompression bubbles in rats[J]. <i>Scientific Reports</i> , 2016, 6: 33390. IF: 5.228
E-EL-R0046	sICAM-1/CD54 (Intercellular Adhesion Molecule-1)		
E-EL-R1061	VCAM-1 (Vasculoar Cell Adhesion Molecule 1)		



Cat.No	Target	Species	Publications
E-EL-R0167	ET-1(Endothelin 1)	Rat	Damiani E, Ince C, Orlando F, et al. Effects of the Infusion of 4% or 20% Human Serum Albumin on the Skeletal Muscle Microcirculation in Endotoxemic Rats[J]. Plos One, 2016, 11(3). IF: 3.057
E-EL-R0135	CGRP(Calcitonin Gene Related Peptide)	Rat	Zhang Y, Xu J, Ye C R, et al. Implant-derived magnesium induces local neuronal production of CGRP to improve bone-fracture healing in rats[J]. Nature Medicine, 2016, 22(10): 1160-1169. IF: 30.357
E-EL-R0096	BCL-2(B-Cell Leukemia/Lymphoma 2)	Rat	Lambuk L, Jafri A J, Arfuzir N N, et al. Neuroprotective Effect of Magnesium Acetyltaurate Against NMDA-Induced Excitotoxicity in Rat Retina[J]. Neurotoxicity Research, 2016, 31: 1-15. IF: 3.14
E-EL-R0098	BAX(BCL-2 Associated X Protein)		
E-EL-R0037	ApoB100(Apolipoprotein B100)	Rat	Min H K, Lee J, Jung S, et al. The involvement of ginseng berry extract in blood flow via regulation of blood coagulation in rats fed a high-fat diet[J]. Journal of Ginseng Research, 2016, 19(7): 417-422. IF: 3.898
E-EL-R1230	ApoE(Apolipoprotein E)		
E-EL-R0377	FDP(Fibrinogen Degradation Product)		
E-EL-R0031	MT(Melatonin)	Rat	Liu Y, Ni C, Li Z, et al. Prophylactic Melatonin Attenuates Isoflurane-induced Cognitive Impairment in Aged Rats through Hippocampal Melatonin Receptor 2-CREB Signalling[J]. Basic & Clinical Pharmacology & Toxicology, 2016. IF: 3.097
E-EL-R0029	GH(Growth Hormone)	Rat	Roberts L D, Ashmore T, McNally B D, et al. Inorganic Nitrate Mimics Exercise-Stimulated Muscular Fiber-type Switching and Myokine and GABA Release[J]. Diabetes. 2016. IF: 8.784
E-EL-R0026	LH(Luteinizing Hormone)	Rat	Cui, X, Long, C, Tian, J, et al. Protective Effects of Fluvastatin on Reproductive Function in Obese Male Rats Induced by High-Fat Diet through Enhanced Signaling of mTOR[J]. Cellular Physiology and Biochemistry, 2017, 41. IF: 4.652
E-EI-R0391	FSH(Follicle Stimulating Hormone)		
E-EL-0072	T(Testosterone)		
E-EL-0065	E2(Estradiol)		
E-EL-R0026	LH(Luteinizing Hormone)	Rat	Gaspar R S, Benevides R O, Fontelles J L, et al. Reproductive alterations in hyperinsulinemic but normoandrogenic MSG-obese female rats[J]. Journal of Endocrinology, 2016, 229(2): 61-72. IF: 4.498
E-EL-R0023	INS(Insulin)	Rat	Zhu S, Chen S, Yuan G, et al. Enhanced oral bioavailability of insulin using PLGA nanoparticles co-modified with cell-penetrating peptides and Engrailed secretion peptide (Sec)[J]. Drug Delivery, 2015: 1-12. IF: 4.843
E-EL-R0019	TNF- α (Tumor Necrosis Factor Alpha)	Rat	Bi Q R, Hou J J, Qi P, et al. Venenum Bufonis induces rat neuroinflammation by activating NF- κ B pathway and attenuation of BDNF[J]. Journal of Ethnopharmacology, 2016, 186:103-110. IF: 3.055
E-EL-R0015	IL-6(Interleukin 6)		
E-EL-R0012	IL-1 β (Interleukin 1 Beta)		
E-EL-0046	DA(Dopamine)		
E-EL-0033	ST/5-HT(Serotonin/5-Hydroxytryptamine)		
E-EL-R0019	TNF- α (Tumor Necrosis Factor Alpha)	Rat	Hang Z, Meng Z, Zhou F, et al. Cinnamaldehyde ameliorates LPS-induced cardiac dysfunction via TLR4-NOX4 pathway: The regulation of autophagy and ROS production[J]. Journal of Molecular & Cellular Cardiology, 2016, 101: 11-24. IF: 4.874
E-EL-R0012	IL-1 β (Interleukin 1 Beta)		
E-EL-R0015	IL-6(Interleukin 6)		
E-EL-R0019	TNF- α (Tumor Necrosis Factor Alpha)	Rat	Fettucciari K, Ponsini P, Gioè D, et al. Enteric glial cells are susceptible to Clostridium difficile toxin B[J]. Cellular & Molecular Life Sciences, 2016: 1-25. IF: 5.694
E-EL-R0009	IFN- γ (Interferon Gamma)		
E-EL-R0012	IL-1 β (Interleukin 1 Beta)		
E-EL-R0019	TNF- α (Tumor Necrosis Factor Alpha)	Rat	Borghain M P, Lakhar M, Ahmed S, et al. Small Molecule Inhibiting NF- κ B Ameliorates Oxidative Stress and Suppresses Renal Inflammation in Early Stage of Alloxan-induced Diabetic Nephropathy in Rat[J]. Basic & Clinical Pharmacology & Toxicology, 2016. IF: 3.097
E-EL-R0012	IL-1 β (Interleukin 1 Beta)		
E-EL-R0015	IL-6(Interleukin 6)		
E-EL-R0019	TNF- α (Tumor Necrosis Factor Alpha)	Rat	Kandil E A, Abdelkader N F, El-Sayeh B M, et al. Imipramine and amitriptyline ameliorate the rotenone model of Parkinson's disease in rats[J]. Neuroscience, 2016, 332:26-37. IF: 3.231
E-EL-R0019	TNF- α (Tumor Necrosis Factor Alpha)	Rat	Ahmed L A, Darwish H A, Abdelsalam R M, et al. Role of Rho Kinase Inhibition in the Protective Effect of Fasudil and Simvastatin Against 3-Nitropropionic Acid-Induced Striatal Neurodegeneration and Mitochondrial Dysfunction in Rats[J]. Molecular Neurobiology, 2015: 1-12. IF: 5.397
E-EL-R0019	TNF- α (Tumor Necrosis Factor Alpha)	Rat	Min C, Yu Z, Wang L, et al. Tongxinluo reduces brain edema and inhibits post-ischemic inflammation after middle cerebral artery occlusion in rats[J]. Journal of Ethnopharmacology, 2016, 181: 136-145. IF: 3.055



Cat.No	Target	Species	Publications
E-EL-R0016 E-EL-R0012	IL-10(Interleukin 10) IL-1 β (Interleukin 1 Beta)	Rat	Yang J, Liu X X, Fan H, et al. Extracellular Vesicles Derived from Bone Marrow Mesenchymal Stem Cells Protect against Experimental Colitis via Attenuating Colon Inflammation, Oxidative Stress and Apoptosis[J]. Plos One, 2015, 10(10): e0140551. IF: 3.057
E-EL-R0014 E-EL-R0016 E-EL-R0022	IL-4(Interleukin 4) IL-10(Interleukin 10) CRP(C-Reactive Protein)	Rat	Barquilla P C, Pagano E S, Jiménez-Ortega V, et al. Melatonin normalizes clinical and biochemical parameters of mild inflammation in diet-induced metabolic syndrome in rats[J]. Journal of Pineal Research, 2014, 57(3): 280-90. IF: 9.314
E-EL-R0012 E-EL-R0567	IL-1 β (Interleukin 1 Beta) IL-18(Interleukin 18)	Rat	Xiao Y D, Huang Y Y, Wang H X, et al. Thioredoxin-Interacting Protein Mediates NLRP3 Inflammasome Activation Involved in the Susceptibility to Ischemic Acute Kidney Injury in Diabetes[J]. Oxidative Medicine and Cellular Longevity, 2016, 2016. IF: 4.492
E-EL-R0012 E-EL-R0015 E-EL-R0674	IL-1 β (Interleukin 1 Beta) IL-6(Interleukin 6) NF- κ B p65(Nuclear Factor Kappa B p65)	Rat	M.P. Borgohaina, L. Chowdhury, S. Ahmeda, et al. Renoprotective and antioxidative effects of methanolic Paederia foetida leaf extract on experimental diabetic nephropathy in rats[J]. Journal of Ethnopharmacology, 2017, 19: 451-459. IF: 3.055
E-EL-R0012 E-EL-R0015 E-EL-R0019 E-EL-R0016	IL-1 β (Interleukin 1 Beta) IL-6(Interleukin 6) TNF- α (Tumor Necrosis Factor Alpha) IL-10(Interleukin 10)	Rat	Qin J, Ma X, Qi H, et al. Transplantation of Induced Pluripotent Stem Cells Alleviates Cerebral Inflammation and Neural Damage in Hemorrhagic Stroke[J]. Plos One, 2014, 10(6): e0129881. IF: 3.057
E-EL-R0012 E-EL-R0015 E-EL-R0019	IL-1 β (Interleukin 1 Beta) IL-6(Interleukin 6) TNF- α (Tumor Necrosis Factor Alpha)	Rat	Zeng Z, Chen Z, Xu S, et al. Polydatin Alleviates Small Intestine Injury during Hemorrhagic Shock as a SIRT1 Activator[J]. Oxidative Medicine & Cellular Longevity, 2015, 2015(4): 965961. IF: 4.492
E-EL-R0012 E-EL-R0015 E-EL-R0016 E-EL-R0019 E-EL-R0516 E-EL-R0518	IL-1 β (Interleukin 1 Beta) IL-6(Interleukin 6) IL-10(Interleukin 10) TNF- α (Tumor Necrosis Factor Alpha) IgA(Immunoglobulin A) IgG(Immunoglobulin G)	Rat	Karamese M, Aydin H, Sengul E, et al. The Immunostimulatory Effect of Lactic Acid Bacteria in a Rat Model[J]. Iranian Journal of Immunology, 2016, 13(3): 220-228. IF: 4.985
E-EL-R0012 E-EL-R0015 E-EL-R0019	IL-1 β (Interleukin 1 Beta) IL-6(Interleukin 6) TNF- α (Tumor Necrosis Factor Alpha)	Rat	Liu H, Yang M, Pan L, et al. Hyperbaric Oxygen Intervention Modulates Early Brain Injury after Experimental Subarachnoid Hemorrhage in Rats: Possible Involvement of TLR4/NF- κ B-Mediated Signaling Pathway[J]. Cellular Physiology and Biochemistry, 2016, 38(6): 2323-2336. IF: 4.652
E-EL-R0008	GM-CSF(Granulocyte-Macrophage Colony Stimulating Factor)	Rat	StojićVukanić Z, Pilipović I, Vujnović I, et al. GM-CSF-Producing Th Cells in Rats Sensitive and Resistant to Experimental Autoimmune Encephalomyelitis[J]. Plos One, 2016, 11(11): e0166498. IF: 3.057
E-EL-R0002 E-EL-R0390	BMP-2(Bone Morphogenetic Protein 2) fT4(Free Thyroxine)	Rat	Ming W, Chai L, Zhao H, et al. Effects of nitrate on metamorphosis, thyroid and iodothyronine deiodinases expression in Bufo gargarizans, larvae[J]. Chemosphere, 2015, 139: 402-409. IF: 3.698
E-EL-M1343 E-EL-M1344	S100A8 (S100 Calcium Binding Protein A8) S100A9 (S100 Calcium Binding Protein A9)	Rat	Chrétien M L, Legouge C, Martin R Z, et al. Trim33/Tif1 γ is involved in late stages of granulomonopoiesis in mice[J]. Experimental Hematology, 2016, 44(8): 727-739.e6. IF: 4.078
E-EL-0072	T(Testosterone)	Rat	Lee H S, Lee Y J, Chung Y H, et al. In vitro and in vivo evaluation of tissue-cultured mountain ginseng on penile erection[J]. Journal of Ginseng Research, 2016, 40(4): 334-343. IF: 3.898
E-EL-0047 E-EL-R0304 E-EL-R1232	NA/NE(Noradrenaline/Norepinephrine) Cys-C(Cystatin C) ALT(Alanine Transaminase)	Rat	Wang K, Lu D, Zhang B, et al. Renal Denervation Attenuates Multi-Organ Fibrosis and Improves Vascular Remodeling in Rats with Transverse Aortic Constriction Induced Cardiomyopathy.[J]. Cellular Physiology & Biochemistry: International Journal of Experimental Cellular Physiology Biochemistry & Pharmacology, 2016, 40(3-4):465-476. IF: 3.49
E-EL-0047	NA/NE(Noradrenaline/Norepinephrine)	Rat	Lu W, Kang J, Hu K, et al. The role of the Nox4-derived ROS-mediated RhoA/Rho kinase pathway in rat hypertension induced by chronic intermittent hypoxia[J]. Sleep and Breathing, 2017: 1-11. IF: 5.94
E-CL-R0018	EPI(Epinephrine)	Rat	Aveseh M, Nikoobe R, Sheibani V, et al. Endurance training increases brain lactate uptake during hypoglycemia by up regulation of brain lactate transporters[J]. Molecular & Cellular Endocrinology, 2014, 394(1-2): 29-36. IF: 3.859



Cat.No	Target	Species	Publications
E-EL-0028	8-OHdG(8-Hydroxydeoxyguanosine)	Rat	Aditya A, Anamika G, Kumar S S, et al. Cerium oxide nanoparticles promote neurogenesis and abrogate hypoxia-induced memory impairment through AMPK-PKC-CBP signaling cascade[J]. International Journal of Nanomedicine, 2016, 11: 1159-1173. IF: 4.32
E-EL-R0582	LEP(Leptin)	Rat	Adamu H A, Imam M U, Ooi D J, et al. Perinatal exposure to germinated brown rice and its gamma amino-butyric acid-rich extract prevents high fat diet-induced insulin resistance in first generation rat offspring.[J]. Food & Nutrition Research, 2016, 60. IF:3.226
E-EL-M2661	DNMT3L(DNA[cytosine-5]-methyltransferase 3-like)	Mouse	Das A, Jin C C, Sun H K, et al. Transcriptome sequencing of microglial cells stimulated with TLR3 and TLR4 ligands[J]. BMC Genomics, 2015, 16(1): 517. IF: 3.867
E-EL-M2614	INS(Insulin)	Mouse	Ji J, Qin Y, Ren J, et al. Mitochondria-related miR-141-3p contributes to mitochondrial dysfunction in HFD-induced obesity by inhibiting PTEN[J]. Scientific Reports, 2015, 5: 16262. IF: 5.228
E-EL-M2608	FCHOL(Free cholesterol)	Mouse	Wu T, Tang Q, Gao Z, et al. Blueberry and mulberry juice prevent obesity development in C57BL/6 mice[J]. Plos One, 2013, 8(10). IF: 3.057
E-EL-M2603	TG(Triglyceride)		
E-EL-M2608	FCHOL(Free cholesterol)	Mouse	Jiting Yan, Changyuan Wang, Yue Jin, et al. Catalpol prevents alteration of cholesterol homeostasis in non-alcoholic fatty liver disease via attenuating endoplasmic reticulum stress and NOX4 over-expression[J]. RSC Advances, 2017, 7: 1161-1176. IF: 3.289
E-EL-M2608	FCHOL(Free cholesterol)	Mouse	Song H, Zheng Z, Wu J, et al. White Pitaya (Hylocereus undatus) Juice Attenuates Insulin Resistance and Hepatic Steatosis in Diet-Induced Obese Mice[J]. Plos One, 2016, 11(2). IF: 3.057
E-EL-M2603	TG(Triglyceride)		
E-EL-M1801	cTnT/TNNT2 (Troponin T Type 2, Cardiac)	Mouse	Khaliq N U, Oh K S, Sandra F C, et al. Assembly of polymer micelles through the sol-gel transition for effective cancer therapy[J]. Journal of Controlled Release, 2017. IF: 7.441
E-EL-M1272	ALT(Alanine Transaminase)	Mouse	Chen X, Ding H W, Li H D, et al. Hesperetin derivative-14 alleviates inflammation by activating PPAR- γ in mice with CCI 4-induced acute liver injury and LPS-treated RAW264. 7 cells[J]. Toxicology Letters, 2017. IF: 3.522
E-EL-M0160	AST(Aspartate Aminotransferase)		
E-EL-M1169	TLR9(Toll-like Receptor 9)	Mouse	Jing C, Tian X, Mei Z, et al. The effect of the TLR9 ligand CpG-oligodeoxynucleotide on the protective immune response to radiation-induced lung fibrosis in mice[J]. Molecular Immunology, 2016, 80: 33-40. IF: 3.375
E-EL-M0969	PIAS1 (Protein Inhibitor Of Activated STAT 1)		
E-EL-M1058	STAT4(Signal Transducer And Activator Of Transcription 4)		
E-EL-M1061	STAT6(Signal Transducer And Activator Of Transcription 6)		
E-EL-M1149	TG(Thyroglobulin)		
E-EL-M1144	TXB2(Thromboxane B2)	Mouse	Lê V B, Schneider J G, Boergeling Y, et al. Platelet activation and aggregation promote lung inflammation and influenza virus pathogenesis[J]. American Journal of Respiratory & Critical Care Medicine, 2015, 191(7): 804-819. IF: 13.118
E-EL-M1116	TRACP-5b(Tartrate-Resistant Acid Phosphatase 5b)	Mouse	Sim H, Kook S, Yun C, et al. Brief Report: Consecutive Alendronate Administration-Mediated Inhibition of Osteoclasts Improves Long-Term Engraftment Potential and Stress Resistance of HSCs[J]. Stem Cells, 2016, 34(10): 2601-2607. IF: 5.902
E-EL-M1073	sEPCR (Soluble Endothelial Protein C Receptor)	Mouse	Lagrange J, Li Z, Fassot C, et al. Endothelial mineralocorticoid receptor activation enhances endothelial protein C receptor and decreases vascular thrombosis in mice[J]. FASEB Journal Official Publication of the Federation of American Societies for Experimental Biology, 2014, 28(5): 2062-2072. IF: 5.043
E-EL-M0864	OC/BGP(Osteocalcin)	Mouse	Xu J, Wang Y, Li J, et al. IL-12 p40 impairs mesenchymal stem cell-mediated bone regeneration via CD4(+) T cells[J]. Cell Death & Differentiation, 2016, 23(12): 1941-1951. IF: 8.218
E-EL-M0366	CTX I (Cross Linked C-telopeptide of Type I Collagen)		
E-EL-M0820	NPY(Neuropeptide Y)	Mouse	Gao B, Li L, Zhu P, et al. Chronic administration of methamphetamine promotes atherosclerosis formation in ApoE-/- knockout mice fed normal diet[J]. Atherosclerosis, 2015, 243(1): 268-277. IF: 3.942



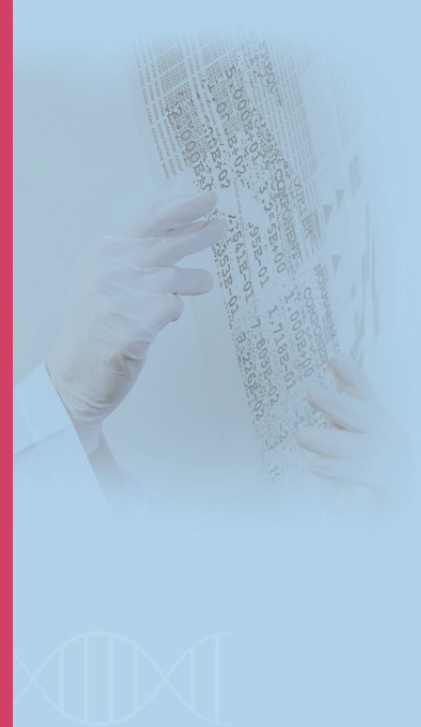
Cat.No	Target	Species	Publications
E-EL-M0805	MBP(Myelin Basic Protein)	Mouse	Schmitz K, De B N, Bishay P, et al. R-flurbiprofen attenuates experimental autoimmune encephalomyelitis in mice[J]. <i>Embo Molecular Medicine</i> , 2014, 6(11): 1398-1422. IF: 9.547
E-EL-M0713	IFN- α (Interferon Alpha)	Mouse	Park K S, Sun H K, Das A, et al. TLR3-/4-Priming Differentially Promotes Ca ²⁺ -Signaling and Cytokine Expression and Ca ²⁺ -Dependently Augments Cytokine Release in hMSCs[J]. <i>Scientific Reports</i> , 2016, 6: 23103. IF: 5.228
E-EL-M0033	IFN- β (Interferon Beta)		
E-EL-M0697	INH A(Inhibin A)	Mouse	Olguin-Alor R, De I F M, Bonifaz L C, et al. A Key Role for Inhibins in Dendritic Cell Maturation and Function[J]. <i>Plos One</i> , 2016, 11(12): e0167813. IF: 3.057
E-EL-M0693	IgG1(Immunoglobulin G1)	Mouse	Li Y, Wu Y, Luo C, et al. Rewritable magnetic fluorescence-encoded microspheres: preparation, characterization, and recycling[J]. <i>J.mater.chem.c</i> , 2015, 3. IF: 4.696
E-EL-M0691	IgE(Immunoglobulin E)	Mouse	Xue Z, Zhang X G, Wu J, et al. Effect of treatment with geraniol on ovalbumin-induced allergic asthma in mice[J]. <i>Annals of Allergy Asthma & Immunology Official Publication of the American College of Allergy Asthma & Immunology</i> , 2016, 116(6): 506-513. IF: 3.475
E-EL-M0690	IgA(Immunoglobulin A)	Mouse	Jing Xiong, Ming-feng Zhou, Ya-dong Wang, et al. Protein Kinase D2 Protects against Acute Colitis Induced by Dextran Sulfate Sodium in Mice[J]. <i>Scientific Reports</i> , 2016, 6: 34079. IF: 5.228
E-EL-M0692	IgG(Immunoglobulin G)		
E-EL-M0687	HIF-1 α (Hypoxia Inducible Factor 1 Alpha)	Mouse	Gandin C, Widmann C, Lazdunski M, et al. MLC901 Favors Angiogenesis and Associated Recovery after Ischemic Stroke in Mice[J]. <i>Cerebrovascular Diseases</i> , 2016, 42(1-2): 139-154. IF: 3.212
E-EL-M0659	LIPC(Lipase, Hepatic)	Mouse	Song H, Chu Q, Yan F, et al. Red pitaya betacyanins protects from diet-induced obesity, liver steatosis and insulin resistance in association with modulation of gut microbiota in mice[J]. <i>Journal of Gastroenterology & Hepatology</i> , 2015, 31(8): 1462. IF: 4.414
E-EL-M0644	RANKL(Receptor Activator of Nuclear Factor Kappa B Ligand)	Mouse	Sartori M, Vincenzi F, Ravani A, et al. RAW 264.7 co-cultured with ultra-high molecular weight polyethylene particles spontaneously differentiate into osteoclasts: An in vitro model of periprosthetic osteolysis[J]. <i>Journal of Biomedical Materials Research Part A</i> , 2016. IF: 3.263
E-EL-M0595	GREM1(GremLin 1)	Mouse	Siddique I, Curran S P, Ghayur A, et al. Gremlin promotes peritoneal membrane injury in an experimental mouse model and is associated with increased solute transport in peritoneal dialysis patients[J]. <i>American Journal of Pathology</i> , 2014, 184(11): 2976-84. IF: 4.206
E-EL-M0594	GzmB(Granzyme B)	Mouse	Wu J, Li S, Yang Y, et al. TLR-activated plasmacytoid dendritic cells inhibit breast cancer cell growth in vitro and in vivo[J]. <i>Oncotarget</i> , 2017, 8(7): 11708. IF: 5.008
E-EL-M0519	ft4(Free Thyroxine)	Mouse	Noreen H, Yabuki Y, Fukunaga K. Novel spiroimidazopyridine derivative SAK3 improves methimazole-induced cognitive deficits in mice[J]. <i>Neurochemistry International</i> , 2017. IF: 3.385
E-EL-M0511	FSH(follicle-stimulating hormone)	Mouse	Li H, He Y, Zhang H, et al. Differential proteome and gene expression reveal response to carbon ion irradiation in pubertal mice testes[J]. <i>Toxicology Letters</i> , 2014, 225(3): 433-444. IF: 3.522
E-EL-0072	T(Testosterone)		
E-EL-M0511	FSH(follicle-stimulating hormone)	Mouse	Fan Y, Liu Y, Xue K, et al. Diet-induced obesity in male C57BL/6 mice decreases fertility as a consequence of disrupted blood-testis barrier[J]. <i>Plos One</i> , 2015, 10(4). IF: 3.057
E-EL-M0504	FMOD(Fibromodulin)	Mouse	Lee E J, Jan A T, Baig M H, et al. Fibromodulin: a master regulator of myostatin controlling progression of satellite cells through a myogenic program[J]. <i>Faseb Journal</i> , 2016. IF: 5.299
E-EL-M0400	D2D(D-Dimer)	Mouse	Bo Z, Jiang T, She X, et al. Fibrin degradation by rtPA enhances the delivery of nanotherapeutics to A549 tumors in nude mice[J]. <i>Biomaterials</i> , 2016, 96: 63-71. IF: 8.387
E-EL-M0372	β -CTx(Beta Crosslaps)	Mouse	Zhang Y, Su J, Zhang W, et al. Discoidin domain receptor 2 facilitates prostate cancer bone metastasis via, regulating parathyroid hormone-related protein[J]. <i>Biochimica Et Biophysica Acta</i> , 2014, 1842(9): 1350-1363. IF: 3.687
E-EL-M0349	CORT(Corticosterone)	Mouse	Li K, Liu F F, He C X, et al. Olfactory Deprivation Hastens Alzheimer-Like Pathologies in a Human Tau-Overexpressed Mouse Model via Activation of cdk5[J]. <i>Molecular Neurobiology</i> , 2014, 53(1): 1-11. IF: 5.397



Cat.No	Target	Species	Publications
E-EL-M0338	C4a(Complement Component 4a)	Mouse	Mattei D, Ivanov A, Ferrai C, et al. Maternal immune activation results in complex microglial transcriptome signature in the adult offspring that is reversed by minocycline treatment[J]. <i>Translational Psychiatry</i> , 2017, 7(5): e1120. IF:5.538
E-EL-M0219	CaSR(Calcium Sensing Receptor)	Mouse	Oliveira H, Catros S, Boiziau C, et al. The proangiogenic potential of a novel calcium releasing biomaterial: Impact on cell recruitment[J]. <i>Acta Biomaterialia</i> , 2015, 29: 435-445. IF: 6.008
E-EL-M0204	BNP(Brain Natriuretic Peptide)	Mouse	Diané A, Nikolic N, Rudecki A P, et al. PACAP is essential for the adaptive thermogenic response of brown adipose tissue to cold exposure[J]. <i>Journal of Endocrinology</i> , 2014, 222(3): 327-39. IF: 4.498
E-EL-M0184	β-EP(Beta-Endorphin)	Mouse	Poznanski P, Lesniak A, Korostynski M, et al. Delta-opioid receptor antagonism leads to excessive ethanol consumption in mice with enhanced activity of the endogenous opioid system[J]. <i>Neuropharmacology</i> , 2017, 118: 90-101. IF: 4.936
E-EL-M0182	BACE1 (Beta Site APP Cleaving Enzyme 1)	Mouse	Zheng X, Pang X, Yang P, et al. A hybrid siRNA delivery complex for enhanced brain penetration and precise amyloid plaque targeting in Alzheimer's disease mice[J]. <i>Acta Biomaterialia</i> , 2016. IF: 6.008
E-EL-M0166	ANP(Atrial Natriuretic Peptide)	Mouse	Hrincius E R, Liedmann S, Finkelstein D, et al. NS1 mediated inhibition of c-Abl results in acute lung injury and priming for bacterial co-infections; insights into 1918 H1N1 pandemic?[J]. <i>Journal of Infectious Diseases</i> , 2014. IF: 6.344
E-EL-M0068	Aβ1-42(Amyloid Beta 1-42)	Mouse	Xie A J, Liu E J, Huang H Z, et al. Cnga2 Knockout Mice Display Alzheimer's-Like Behavior Abnormities and Pathological Changes.[J]. <i>Molecular Neurobiology</i> , 2016, 53(7): 1-8. IF: 5.397
E-EL-M0060	GH(Growth Hormone)	Mouse	Haywood N J, Cordell P A, Tang K Y, et al. Insulin-like growth factor binding protein (IGFBP)-1 could through its RGD domain improve glucose regulation and insulin sensitivity[J]. 2016. IF: 8.784
E-EL-M0555	GC(Glucagon)		
E-EL-M0049	TNF-α(Tumor Necrosis Factor Alpha)	Mouse	Zhili M, Tao H, Wen S, et al. Inhibition of Hepatocyte Apoptosis: An Important Mechanism of Corn Peptides Attenuating Liver Injury Induced by Ethanol[J]. <i>International Journal of Molecular Sciences</i> , 2015, 16(9): 22062-22080. IF: 3.257
E-EL-M0051	TGF-β1(Transforming Growth Factor β1)		
E-EL-M0049	TNF-α(Tumor Necrosis Factor Alpha)	Mouse	Wang J, Ge B, Li Z, et al. Structural analysis and immunoregulation activity comparison of five polysaccharides from <i>Angelica sinensis</i> [J]. <i>Carbohydrate Polymers</i> , 2016, 140: 6-12. IF: 4.219
E-EL-M0048	IFN-γ(Interferon Gamma)		
E-EL-M0042	IL-2(Interleukin 2)		
E-EL-M0044	IL-6(Interleukin 6)		
E-EL-M0049	TNF-α(Tumor Necrosis Factor Alpha)	Mouse	Yan Q, Xiang Y, Shuyu W, et al. PGC-1α Silencing Compounds the Perturbation of Mitochondrial Function Caused by Mutant SOD1 in Skeletal Muscle of ALS Mouse Model[J]. <i>Frontiers in Aging Neuroscience</i> , 2015, 7: 37. IF: 4.348
E-EL-M0037	IL-1β(Interleukin 1 Beta)		
E-EL-M0044	IL-6(Interleukin 6)		
E-EL-M0044	MIP-1α(Macrophage Inflammatory Protein 1 Alpha)		
E-EL-M0007			
E-EL-M0049	TNF-α(Tumor Necrosis Factor Alpha)	Mouse	Min F, Song J, He Y, et al. The TIR/BB-loop mimetic AS-1 attenuates mechanical stress-induced cardiac fibroblast activation and paracrine secretion via modulation of large tumor suppressor kinase 1[J]. <i>Biochimica et biophysica acta</i> , 2016, 1862(6): 1191–1202. IF: 3.687
E-EL-M0037	IL-1β(Interleukin 1 Beta)		
E-EL-M0048	IFN-γ(Interferon Gamma)	Mouse	Lin R, Zhang Y, Long B, et al. Oral Immunization with Recombinant <i>Lactobacillus acidophilus</i> Expressing espA-Tir-M Confers Protection against Enterohemorrhagic <i>Escherichia coli</i> O157: H7 Challenge in Mice[J]. <i>Frontiers in Microbiology</i> , 2017, 8. IF: 4.165
E-EL-M0043	IL-4(Interleukin 4)		
E-EL-M0046	IL-10(Interleukin 10)		
E-EL-M0044	IL-6(Interleukin 6)	Mouse	Wan G, Lingao R, Yu Y, et al. Effects of silver nanoparticles in combination with antibiotics on the resistant bacteria <i>Acinetobacter baumannii</i> [J]. <i>International Journal of Nanomedicine</i> , 2016, 11: 3789-3800. IF: 4.32
E-EL-M0049	TNF-α(Tumor Necrosis Factor Alpha)		
E-EL-M0042	IL-2(Interleukin 2)	Mouse	Chen F, Sun Y, Zheng S L, et al. Antitumor and immunomodulatory effects of ginsenoside Rh2 and its octyl ester derivative in H22 tumor-bearing mice[J]. <i>Journal of Functional Foods</i> , 2017, 32: 382-390. IF: 3.973
E-EL-M0049	TNF-α(Tumor Necrosis Factor Alpha)		
E-EL-M0042	IL-2(Interleukin 2)	Mouse	Li K, Zhang Y, Liang K Y, et al. Rheb1 deletion in myeloid cells aggravates OVA-induced allergic inflammation in mice[J]. <i>Scientific Reports</i> , 2017, 7. IF: 5.228
E-EL-M0043	IL-4(Interleukin 4)		
E-EL-M0727	IL-13(Interleukin 13)		
E-EL-M0048	IFN-γ(Interferon Gamma)		
E-EL-M0691	IgE(Immunoglobulin E)		



Cat.No	Target	Species	Publications
E-EL-M0037 E-EL-M0730 E-EL-M0077 E-EL-M0647	IL-1 β (Interleukin 1 Beta) IL-18(Interleukin 18) sICAM-1/CD54(Soluble Inter Cellular Adhesion Molecule 1) sVCAM-1(soluble vasccular cell adhesion molecule 1)	Mouse	Jinglong Zhang, Linying Xia, Fen Zhang, et al. A novel mechanism of diabetic vascular endothelial dysfunction: Hypoadiponectinemia-induced NLRP3 inflammasome activation[J]. <i>Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease</i> , 2017. IF: 5.158
E-EL-M0037 E-EL-M0049	IL-1 β (Interleukin 1 Beta) TNF- α (Tumor Necrosis Factor Alpha)	Mouse	Shen W, Liu J, Zhao G, et al. repression of Toll-like receptor-4 by microRNA-149-3p is associated with smoking-related COPD[J]. <i>International journal of chronic obstructive pulmonary disease</i> , 2017, 12: 705. IF: 3.046
E-EL-M0037 E-EL-M0044 E-EL-M0726 E-EL-M0049	IL-1 β (Interleukin 1 Beta) IL-6(Interleukin 6) IL-12(Interleukin 12) TNF- α (Tumor Necrosis Factor Alpha)	Mouse	Apire A, Li J, Yuan P, et al. Glycyrrhiza uralensis water extract enhances dendritic cell maturation and antitumor efficacy of HPV dendritic cell-based vaccine[J]. <i>Scientific Reports</i> , 2017, 7. IF: 5.228
E-EL-M0037 E-EL-M0044	IL-1 β (Interleukin 1 Beta) IL-6(Interleukin 6)	Mouse	Hu M, Luo Q, Alitongbieke G, et al. Celastrol-Induced Nur77 Interaction with TRAF2 Alleviates Inflammation by Promoting Mitochondrial Ubiquitination and Autophagy[J]. <i>Molecular Cell</i> , 2017, 66(1): 141-153. e6. IF: 13.958
E-EL-M0037	IL-1 β (Interleukin 1 Beta)	Mouse	Wang X, Gao Y, Song J, et al. The TIR/BB - loop mimetic AS - 1 prevents non - alcoholic steatohepatitis and hepatic insulin resistance by inhibiting NLRP3 - ASC inflammasome activation[J]. <i>British Journal of Pharmacology</i> , 2017. IF: 5.259
E-EL-M0020	CXCL9/MIG(Monokine induced by interferon-gamma)	Mouse	Bin Huang, Wenhao Wang, Qingchu Li, et al. Osteoblasts secrete Cxcl9 to regulate angiogenesis in bone[J]. <i>Nature communications</i> , 2016, 7. IF: 11.329
E-EL-M0018 E-EL-M0267	GRO α /CXCL1(Growth Regulated Oncogene Alpha) CX3CL1(Chemokine C-X3-C-Motif Ligand 1)	Mouse	Wang H, Hong L J, Huang J Y, et al. P2RX7 sensitizes Mac-1/ICAM-1-dependent leukocyte-endothelial adhesion and promotes neurovascular injury during septic encephalopathy[J]. <i>Cell Research</i> , 2015, 25(6). IF: 14.812
E-EL-M0006	MCP-1(Monocyte Chemotactic Protein 1)	Mouse	Cheng X Y, Li Y Y, Huang C, et al. AMP-activated protein kinase reduces inflammatory responses and cellular senescence in pulmonary emphysema[J]. <i>Oncotarget</i> , 2017, 8(14): 22513. IF: 5.008
E-EL-0065 E-EL-0072 E-EL-M0511 E-EL-M0057	E2(Estradiol) T(Testosterone) FSH(Follicle Stimulating Hormone) LH(Luteinizing Hormone)	Universal Mouse	Mu Y, Yan W, Yin T, et al. Diet-induced obesity impairs spermatogenesis: a potential role for autophagy[J]. <i>Scientific Reports</i> , 2017, 7. IF: 5.228
E-CL-M0049	TGF- β 1(Transforming Growth Factor β 1)	Mouse	Li J, Zhao X, Liu X, et al. Disruption of TIM-4 in dendritic cell ameliorates hepatic warm IR injury through the induction of regulatory T cells[J]. <i>Molecular Immunology</i> , 2015, 66(2): 117-125. IF: 3.375
E-EL-0060 E-EL-0026	MDA(Malondialdehyde) GSH(Glutathione)	Universal	Tan C, Lu S, Wang Y, et al. Long-term exposure to high air pollution induces cumulative DNA damages in traffic policemen[J]. <i>Science of The Total Environment</i> , 2017, 593: 330-336. IF: 3.976
E-EL-0028	8-OHdG(8-Hydroxydeoxyguanosine)	Universal	Sun Y, Zong L, Gao Z, et al. Mitochondrial DNA damage and oxidative damage in HL-60 cells exposed to 900MHz radiofrequency fields[J]. <i>Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 797: 7-14. IF: 4.44
E-EL-Ch0026 E-EL-Ch0848	IFN- γ (Interferon Gamma) IL-18(Interleukin 18)	Chicken	Sun H, Wang L, Wang T, et al. Display of Eimeria tenella EtMic2 protein on the surface of Saccharomyces cerevisiae as a potential oral vaccine against chicken coccidiosis[J]. <i>Vaccine</i> , 2014, 32(16): 1869-1876. IF: 3.413
E-EL-P0184	BDNF (Brain Derived Neurotrophic Factor)	Porcine	Yue C, Zheng Z, Xi Z, et al. Lactoferrin Promotes Early Neurodevelopment and Cognition in Postnatal Piglets by Upregulating the BDNF Signaling Pathway and Polysialylation[J]. <i>Molecular Neurobiology</i> , 2014, 52(1): 256-269. IF: 5.397
E-EL-0076	Bb(Bilirubin)	Porcine	Zhang A, Duan H, Li N, et al. Heme oxygenase-1 metabolite biliverdin, not iron, inhibits porcine reproductive and respiratory syndrome virus replication[J]. <i>Free Radical Biology & Medicine</i> , 2017, 102: 149-161. IF: 5.784
E-EL-GP0006 E-EL-GP1313 E-EL-GP1086	NGF(Nerve Growth Factor) BDNF(Brain Derived Neurotrophic Factor) MMP-9(Matrx IX Metalloproteinase 9)	Guinea pig	Fernández-Blanco J A, Aguilera M, Domènech A, et al. Enhanced cough reflex in a model of bleomycin-induced lung fibrosis in guinea pigs[J]. <i>Clinical Science</i> , 2015, 129(12): 1001-1010. IF: 5.016



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