



**ELK Biotechnology**

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YOU HAVE THE VISION,  
WE HAVE THE SUBSTANCE.



# **ELK Biotechnology CO.,L td.**

ELISA | Antibody | Molecular products

Make research easier  
[www.elkbiotech.com](http://www.elkbiotech.com)

# ELK Biotechnology

ELKbiotech

Make research easier



ELK Biotechnology was founded in 2013, is a high-tech biological enterprise specializing in life science and immune research. We have a laboratory of 3,000m<sup>2</sup>, having morphological pathology, cell biology, molecular biology and protein immunology platforms.

Through unremitting efforts, our products has been spread to over 70 countries. With portfolio of 8,500+ELISA kits, 70+ kinds of Molecular biology products and 10,000+Antibodies for RUO. Our goal is to provide scientists with the most cutting-edge and cost-effective research tools. Our mission is to provide the best solutions and the most reliable partners for researchers all over the world.

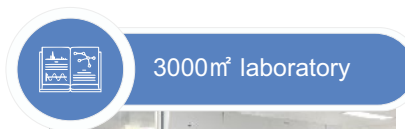
## The company's main products

**ELISA kit 8500+**

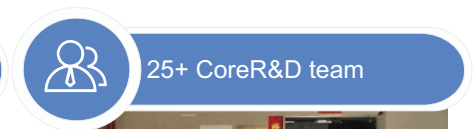
**Antibody 10000+**

**Molecular biology 70+**

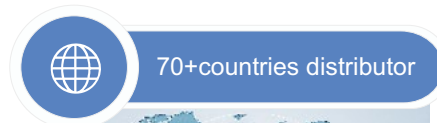
**Protein/Biochemical assay/Plasmid**



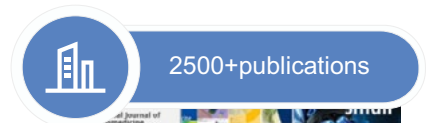
3000m<sup>2</sup> laboratory



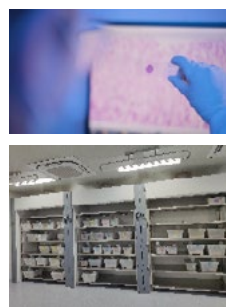
25+ CoreR&D team



70+countries distributor



2500+publications



For pricing information please visit: [www.biomol.com](http://www.biomol.com)

# ELISA KIT

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Conventional ELISA kit

Micro sample ELISA kit

Easy Step ELISA kit

- **High sensitivity** pg level
- **High specificity** the cross-reaction rate is less than 5%
- **Excellent recovery rate** 85%-115%

## Easy Step ELISA advantage:

- Operating time: 1.5h
- Numbers of test sample: Up to 90
- Standard dilution: Not required
- Sampling volume: 50ul

### Core technology

The unique coating system reduces the damage of the coated protein, the special biotinylated antibody and HRP enzyme conjugate protection solution make the coefficient of variation between batches less than 9.9%.

### Production process

The streamlined pipetting and production process, and the unique sealing, protection, and drying system can maintain the stability of the product to the greatest extent and reduce errors and batch differences. Strict sterilization conditions can eliminate microbial interference and maintain the stability of the production environment.

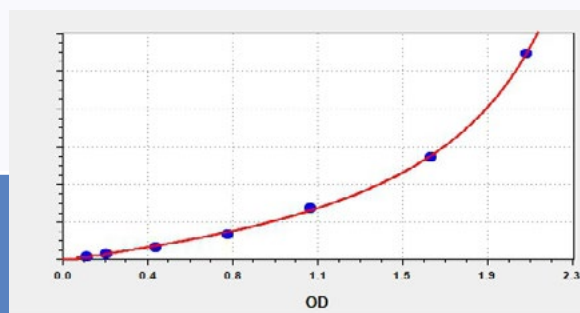
### Strict QC

The core raw materials are mainly self-developed and produced, from raw materials, semi-finished products to finished products, after triple-inspection including standard product purity, antibody specificity, variation index, recovery rate, stability testing, etc. Strictly control the batch differences of kits.

### Wide Application

Cytokine&Growth Factors	Enzymes&Kinase	Digestive system
Immunomodulator	Globulins	Innate immunity
Signal transduction	Transplantation	Reproductivetract diseases
Hematology	Respiratory system	Urinary system
Metabolism	Autoimmunity	Hormone
Apoptosis	CD&Adhesion Molecule	Hypersensitivity
Neurosciences	Cancer	Endocrinology

### Standard Curve of TNF $\alpha$ ELISA



2500+Citations

8500+Elisa Kits

Lead time  
3 Business Days



Comprehensive species(23+)

# ELISA KIT

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## Field of application



## Top Sales ELISA Kits

Mouse IL-6	Human IL-8	Human IL-6	Human HMGB-1	HIS(Histamine)	Human IL-2
Mouse TNF- $\alpha$	Pg(Progesterone)	Mouse IL-10	Human IL-10	Human IFN- $\gamma$	E2(Estradiol)
Mouse IL-1 $\beta$	Human A $\beta$ 1-42	TGF- $\beta$ 1	VMA (Vanillylmandelic Acid)	NA/NE(Noradrenaline /Norepinephrine)	Mouse FSH
Human TNF- $\alpha$	Human IL-18	ST/5-HT	Rat IL-10	cAMP	Mouse IFN- $\beta$
Rat TNF- $\alpha$	Mouse IL-18	T(Testosterone)	Human VEGF-A	DA(Dopamine) ELISA Kit	Human IL-17A
Rat IL-6	Mouse MAU	Mouse INS(Insulin)	MDA (Malondialdehyde)	Human A $\beta$ 1-40	CORT (Corticosterone)
Human IL-1 $\beta$	Mouse IL-4	PGE2 (Prostaglandin E2)	Rat FSH	Rat LH (Luteinizing Hormone)	Rat IL-18 (Interleukin 18)
Rat IL-1 $\beta$	Mouse HMGB-1	Mouse IFN- $\gamma$	8-OHdG	Mouse VEGF-A	LPS (Lipopolysaccharide)

For pricing information please visit: [www.biomol.com](http://www.biomol.com)



# Easy Step ELISA Kit

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EasyStep ELISA Kit.. New Arrivals



Time Saving



Easy operation



Less sampling



More samples

## More samples : Up to 96

An additional strip for the standardis provided.  
The 96T size can test a maximum of 96 samples,  
48T can test 48 samples.

## Easy operation : Less steps

No standard dilution step,  
which can reduce operating errors and improve  
the accuracy of the experiment.

## Less sampling : 50ul

50ul sampling, more tests can be completed with  
limited samples.

## Time saving : 1.5h

Complete the entire experiment in 1.5 h, making  
your scientific research one step faster.

SKU	Product name
ELK001ES	EasyStep Human IL6(Interleukin 6) ELISA Kit
ELK002ES	EasyStep Human CEA(Carcinoembryonic Antigen) ELISA Kit
ELK003ES	EasyStep Human PCT(Procalcitonin) ELISA Kit
ELK004ES	EasyStep Human AMH(Anti-Mullerian Hormone) ELISA Kit
ELK005ES	EasyStep Human Cys-C(CystatinC) ELISA Kit
ELK006ES	EasyStep Human GH(Growth Hormone) ELISA Kit
ELK007ES	EasyStep Human BNP(Brain Natriuretic Peptide) ELISA Kit
ELK008ES	EasyStep Human sST2(Soluble Suppression Of Tumorigenicity 2) ELISA Kit
ELK009ES	EasyStep Human OC(Osteocalcin) ELISA Kit

# MOLECULAR BIOLOGY

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## Nucleic acid extraction

### Plasmid

Miniprep, prepare, Max, EndoFree, Endo-Low, Endo-Low Max

### DNA

Gel, Blood/Cell/Tissue Genomic, Whole blood, plant, bacterial, Stool/Soil, Throat swab, FFPE, Plant, Fungal

### RNA

Viral, plant, TRIpure ( same as Trizol)



## PCR, qPCR, RT-PCR

### PCR

PCR Master Mix (blue/red/green) Taq DNA Polymerase

### qPCR

SYBR Green PCR SuperMix HotStart PCR MasterMix EnTurbo™ SYBR Color qPCR

### SuperMix

Easy Step SYBR Green RT-PCR Mix Easy Step Probe RT-PCR Mix

### RT-PCR

cDNA Synthesis Kit



## Related Reagents.

### DNA ladder

### Dye

### GoldView

### RNase Inhibitor

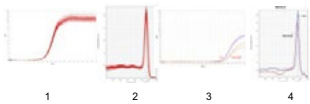
### RNA Stabilation Solution



## Star Products

EQ001

### EnTurbo™ SYBR Green PCR SuperMix



Amplification efficiency test  
Using GAPDH amplification product 1:10<sup>9</sup> dilution as a template to amplify the GAPDH gene shows that our company has better product specificity and higher amplification efficiency for the quantitative amplification of low-abundance genes.

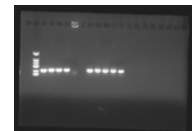
#### Results analysis

From Figure 1 and Figure 2, we can see that the repeatability of our products is better. From Fig. 3 and Fig. 4, it is shown that relative to other brands, quantitative amplification of low-abundance genes has better product specificity and higher amplification efficiency.

EQ004 EQ005

### EntiLink™ PCR Master Mix Taq DNA Polymerase

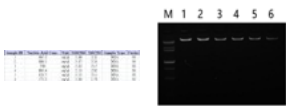
1. Mouse genomic DNA template 200ng
2. Mouse genomic DNA template 100ng
3. Mouse genomic DNA template 50ng
4. Mouse genomic DNA template 20ng
5. Mouse genomic DNA template 10ng
6. Mouse genomic DNA template 1ng
7. Mouse genomic DNA template 0.5ng
8. Mouse genomic DNA template 0.1ng
9. Mouse genomic DNA template 0.01ng



Use ELK 2\* Taq Mix to amplify Use ELK 2\* Taq Mix to amplify the same template at different concentrations and detect the amplification efficiency. The results show that the ELK product can amplify the target fragment from 0.01ng genome template with high sensitivity.

EQ007

### Blood/Cell/Tissue Genomic DNA Extraction Kit



- Marker: D1,5000
1. 10mg mouse liver tissue (EP007)
  2. 1\*10<sup>6</sup> A549 cells (EP007)
  3. 200ul mouse whole blood (EP007)
  4. 10mg mouse liver tissue (Other brand)
  5. 1\*10<sup>6</sup> cell number A549 cells (Other brand)
  6. 200ul mouse whole blood (Other brand)

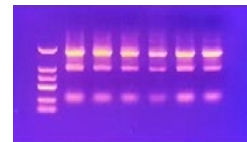
As can be seen from Figure 1 and Figure 2, the DNA extracted by EIK's kit has high concentration, high yield, and better purity than other brand.

EP013

### TRIpure Total RNA Extraction Reagent (same as trizol)

1. 10mg mouse liver tissue (EP013)
2. 1\*10<sup>6</sup> cell number A549 cells (EP013)
3. 200ul mouse whole blood (EP013)

EP013 is designed for RNA extraction of different types of samples, with high extraction efficiency and excellent integrity and purity of RNA



### High Purity

The purified total RNA has no protein contamination, and the obtained RNA can be used for Northern blot, dot blot, mRNA extraction, cDNA synthesis, primer extension, different display, etc.

### Wide range of applications:

DNA and RNA can be extracted from a variety of samples such as animals, plants, blood, cells, plasmids, gels, microorganisms, etc. High purity: The purified product has the characteristics of high concentration, high purity, good integrity, and no protein contamination, and can be used for various types of downstream experiments.

### High efficiency:

Complete supply of extraction, PCR, qPCR, enzyme and other products, optimized reagent ratio and experimental process, can efficiently complete the entire experimental process.

# Selected high-scoring literature highlights

IF 29.4

<https://doi.org/10.1002/adma.202307169>  
ELK2320(Rat VEGFA),ELK2524(Rat SDF1),ELK4877(Rat ADM)

IF 19.227

<https://doi.org/10.1016/j.bbi.2022.02.015>  
EQ001(SYBR Green PCR SuperMix) ELK1272 (Rat IL1b) ELK1158 (Rat IL6)  
ELK1396(Rat TNFa)

IF 18.9

<https://doi.org/10.1016/j.bioactmat.2023.03.011>  
ELK1158 (Rat IL6) ELK1133(Rat IFN $\gamma$ ) ELK2509(Rat IL-12p40)

IF 17.1

<https://doi.org/10.1021/acsnano.3c05093>  
EP013 TRIpure Total RNA same as trizol

IF 15.863

<https://doi.org/10.1186/s40824-023-00339-0>  
EP013 ELK5693(Rat Ntn1) ELK1272(Rat IL1b) ELK1396(Rat TNFa)  
ELK1158 (Rat IL6)

IF 15.153

<https://doi.org/10.1002/sml.202107838>  
EP013 ELK1271(IL-6) ELK1157(TNF- $\alpha$ ) ELK1395(Mouse TNFa)

IF 12.771

<https://doi.org/10.1186/s12929-021-00711-z>  
ELK8145(LPC) ELK8727(Mouse LPS) ELK1190 (Human TNFa) ELK1270 (Human IL1b)

## Citations of hot selling products

Cat/No.	Product name	Detection Range	Sensitivity	Citation
ELK1190	Human TNFa	15.63-1000 pg/mL	6.5 pg/mL	42
ELK1396	Rat TNFa	15.63-1000 pg/mL	6.1 pg/mL	53
ELK1272	Rat IL1b	15.63-1000 pg/mL	5.9 pg/mL	46
ELK1395	Mouse TNFa	15.63-1000 pg/mL	6.1 pg/mL	30
ELK1156	Human IL6	7.82-500 pg/mL	3.2 pg/mL	28
ELK1158	Rat IL6	7.82-500 pg/mL	3.3 pg/mL	47
ELK1157	Mouse IL6	7.82-500 pg/mL	3.2 pg/mL	46
ELK2370	Rat Insulin	15.63-1000 pg/mL	4.93 pg/mL	12
ELK1270	Human IL1b	15.63-1000 pg/mL	5.8 pg/mL	30
ELK1142	Human IL10	7.82-500 pg/mL	3 pg/mL	18
ELK9583	TGFb1	0.16-10 ng/mL	0.10 ng/mL	24
ELK1036	IFN $\gamma$	15.63-1000 pg/mL	5.9 pg/mL	10
EQ001	EnTurbo™ SYBR Green PCR SuperMix			120
EP013	TRIpure Total RNA Extraction Reagent (same as trizol)			300

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