

Human RANK AccuSignal ELISA Kit - KOA0496

Code: KOA0496

Size: 1 Kit

Product Description: Human RANK AccuSignal ELISA Kit - KOA0496

PhysicalState:

Label	Unconjugated
Gene Name	TNFRSF11A
Species Reactivity	Human
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Synonyms	CD265, FEO, LOH18CR1, Loss of heterozygosity 18 chromosomal region 1, ODFR, OFE, OPTB7, Osteoclast differentiation factor receptor, OSTs, PDB2, Receptor activator of NF- κ B, Receptor activator of nuclear factor kappa B, TNFRSF11A, TNFR11_HUMAN, TRANCER, Tumor necrosis factor receptor superfamily member 11A, Tumor necrosis factor receptor superfamily member 11a activator of NF κ B, Tumor necrosis factor receptor superfamily member 11a NF κ B activator
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human RANK standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates or serum to each empty well. It is recommended that each human RANK standard solution and each sample be measured in duplicate.
Background	Receptor Activator of Nuclear Factor kappa B(RANK), also known as TRANCE Receptor, is a type I membrane protein that is expressed on the surface of osteoclasts and is involved in their activation upon ligand binding. RANK is a recently described TNF receptor family member, and its ligand, RANKL, promote survival of dendritic cells and differentiation of osteoclasts. RANK contains 383 amino acids in its intracellular domain(residues 234-616), which contain three putative TRAF-binding domains(termed I, II, and III). RANK interacts with various TRAFs through distinct motifs and activates NF- κ B via a novel TRAF6 interaction motif, which then activates NIK, thus leading to NF- κ B activation, whereas RANK most likely activates JNK through a TRAF2-interacting region in RANK. The standard in this kit is recombinant human RANK with the sequence of Q29-G213 aa. It is a dipolymer which compose of two chains, and the molecular weight of each is 48kda.
Purity And Specificity	Natural and recombinant human RANK. There is no detectable cross-reactivity with other relevant proteins.
ELISA	62.5pg/ml-4000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: NSO; Immunogen sequence: Q29-G213

Related Products

210-401-C22	Anti-Mouse RANK-L (RABBIT) Antibody - 210-401-C22
MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013

Related Links

UniProtKB - Q9Y6Q6

<http://www.uniprot.org/uniprot/Q9Y6Q6>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_001257878.1

GeneID - 8792

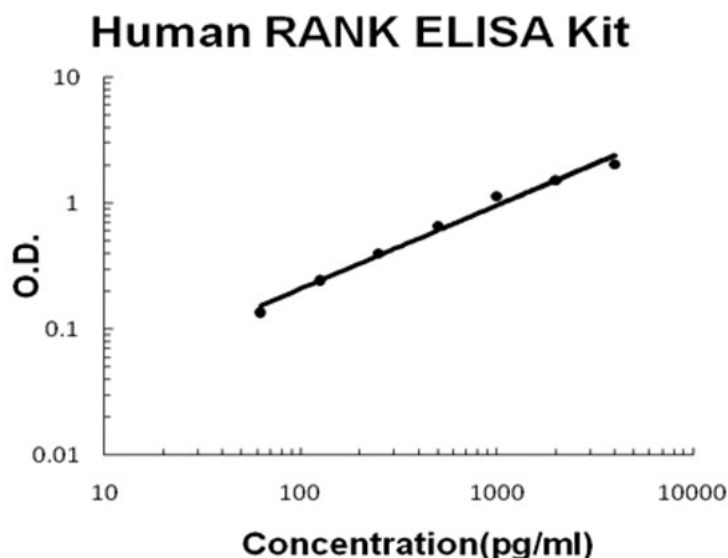
<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=8792>

KOA0496 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0496-%20SZ.pdf>

Images

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Human RANK AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <2pg/ml.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.