

Human RANK ELISA Kit | TNFRSF11A elisa kit

Human RANK ELISA Kit

CATALOG #
AAA45297

REACTIVITY
Human

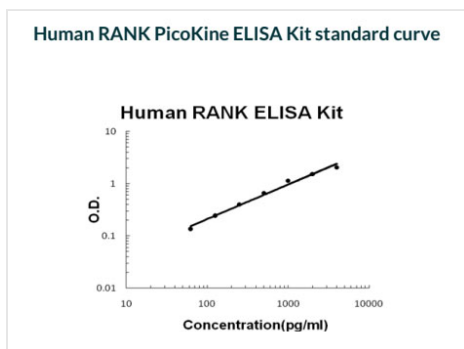
PRODUCT SYNONYMS

RANK; Human RANK ELISA Kit; Tumor necrosis factor receptor superfamily member 11A; tumor necrosis factor receptor superfamily; member 11a; NFkB activator; CD265; FEO; LOH18CR1; Loss of heterozygosity 18 chromosomal region 1; ODFR; OFE; OPTB7; Osteoclast differentiation factor receptor; OSTs; PDB2; Receptor activator of NF-KB; Receptor activator of nuclear factor kappa B; TNFRSF11A; TNR11_HUMAN; TRANCER; Tumor necrosis factor receptor superfamily member 11a activator of NFkB; Tumor necrosis factor receptor superfamily member 11a NFkB activator; TNFRSF11A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TNFRSF11A
Sequence Length	616
Samples	Cell culture supernatants and serum
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFRSF11A elisa kit	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-kappaB via a novel TRAF6 interaction motif, which then activates NIK, thus leading to NF-kappaB 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. Principle of the Assay: The Picokine™ Human TNFRSF11A Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human TNFRSF11A with a 96-well strip plate that is pre-coated with antibody specific for TNFRSF11A. The detection antibody is a biotinylated antibody specific for TNFRSF11A. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human TNFRSF11A with immunogen: Expression system for standard: NS0; Immunogen sequence: Q29-G213. The kit is analytically validated with ready-to-use reagents. To measure Human TNFRSF11A, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human TNFRSF11A in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human TNFRSF11A in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19924309
NCBI GeneID	8792
UniProt Accession #	Q9Y6Q6 ; Q59EP9 ; I4EC36 ; I4EC38 ; I4EC39 ; I7JE63 ; N0GVH0
Molecular Weight	64,552 Da
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 11A
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 11a, NFkB activator
NCBI Official Symbol	TNFRSF11A
NCBI Official Synonym Symbols	FEO; OFE; ODFR; OSTs; PDB2; RANK; CD265; OPTB7; TRANCER; LOH18CR1
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11A; Paget disease of bone 2; receptor activator of NF-KB; osteoclast differentiation factor receptor; receptor activator of nuclear factor-kappa B; loss of heterozygosity, 18, chromosomal region 1
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 11A
UniProt Gene Name	TNFRSF11A
UniProt Synonym Gene Names	RANK; ODFR
UniProt Entry Name	TNR11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tnfrsf11a-human-elisa-kits/rank/45297>