

Rat RANK ELISA Kit | TNFRSF11A elisa kit

Rat RANK PicoKine ELISA Kit

CATALOG #
AAA45829

REACTIVITY
Rat

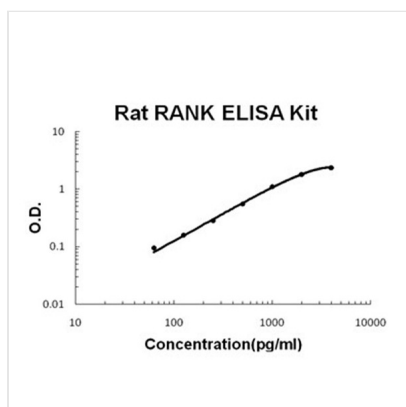
PRODUCT SYNONYMS

RANK; Rat RANK PicoKine 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; OST5; PDB2; Receptor activator of NF-KB; Receptor activator of nuclear factor kappa B; TNFRSF11A; TNFR11_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	Rat
Specificity	Natural and recombinant rat RANK
Sequence Length	604
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/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)

Rat RANK PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFRSF11A elisa kit	Principle of the assay: rat RANK ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for RANK has been precoated onto 96-well plates. Standards(NSO, Q30-P213) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for RANK is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the rat RANK amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	498206
UniProt Accession #	F1M8Z6
Molecular Weight	64,413 Da
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 11a, NFkB activator
NCBI Official Symbol	Tnfrsf11a
NCBI Official Synonym Symbols	RANK; RGD1563614
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11A
UniProt Protein Name	Protein Tnfrsf11a
UniProt Gene Name	Tnfrsf11a
UniProt Entry Name	F1M8Z6_RAT

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-rat-elisa-kits/rank/45829>