

Rat TNFSF11/RANKL ELISA Kit | TNFSF11 elisa kit

Rat TNFSF11/RANKL PicoKine ELISA Kit

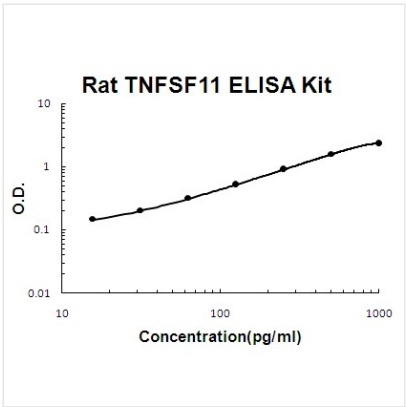
CATALOG # AAA46785	REACTIVITY Rat
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PRODUCT SYNONYMS

TNFSF11/RANKL; Rat TNFSF11/RANKL PicoKine ELISA Kit; CD254; O14788; ODF; OPGL; RANKL; TRANCE; OPTB2; Osteoprotegerin ligand; sOdf; TNF11; TNFSF11; Tumor necrosis factor ligand superfamily member 11; TNFSF11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat TNFSF11
Sequence Length	318
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	15-20
Immunogen	E Coli, F141-D318
Sample Data	Concentration(pg/ml): 0 15.6 31.2 62.5 125 250 500 1000 O.D.: 0.087 0.145 0.202 0.315 0.522 0.909 1.581 2.347
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 33.4 156 526 45.8 188 641 Standard Deviation: 1.50 7.64 29.46 2.29 12.41 47.43 CV(%): 4.5 4.9 5.6 5.0 6.6 7.4
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml rat TNFSF11 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 rat cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each rat TNFSF11 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Rat TNFSF11/RANKL PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFSF11 elisa kit	For quantitative detection of rat TNFSF11 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: Receptor activator of nuclear factor kappa-B ligand (RANKL), also known as tumor necrosis factor ligand superfamily member 11 (TNFSF11), is a protein that in humans is encoded by the TNFSF11 gene. This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. The rat gene is mapped to 15q11. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. This gene may play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy. Principle: Rat TNFSF11 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for TNFSF11 has been precoated onto 96-well plates. Standards (Expression system for standard: E Coli, Immunogen sequence: F141-D318) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFSF11 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 TNFSF11 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16924012
NCBI GeneID	117516
NCBI Accession #	NP_476490.1
NCBI GenBank Nucleotide #	NM_057149.1
UniProt Accession #	Q9ESE2; Q91ZI9
Molecular Weight	35,370 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 11
NCBI Official Synonym Full Names	tumor necrosis factor superfamily member 11
NCBI Official Symbol	Tnfsf11
NCBI Official Synonym Symbols	RANKL
NCBI Protein Information	tumor necrosis factor ligand superfamily member 11
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 11

UniProt Gene Name	Tnfsf11
UniProt Synonym Gene Names	Opgl; Rankl; Trance; ODF; OPGL; RANKL; TRANCE

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/rat-elisa-kits/tnfsf11-rankl/46785>