

Rat CD254 ELISA Kit | TNFSF11 elisa kit

Rat CD254 ELISA Kit

CATALOG #
AAA263171

REACTIVITY
Rat

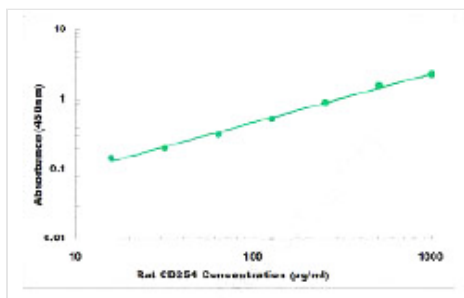
PRODUCT SYNONYMS

CD254; Rat CD254 ELISA Kit; OPGL; RANKL; TRANCE; Tumor necrosis factor ligand superfamily member 11; Osteoclast differentiation factor; ODF; Osteoprotegerin ligand; Receptor activator of nuclear factor kappa-B ligand; TNF-related activation-induced cytokine; TNFSF11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CD254 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CD254 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	318
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNFSF11 elisa kit	Principle of the Assay: The Rat CD254 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CD254 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat CD254 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD254 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CD254 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD254 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. 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.
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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; Q91Z19
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
UniProt Entry Name	TNF11_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://www.aaabiotech.com/tnfsf11-rat-elisa-kits/cd254/263171>