

Rat Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) ELISA Kit | RANKL elisa kit

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CATALOG # AAA20570	REACTIVITY Rat
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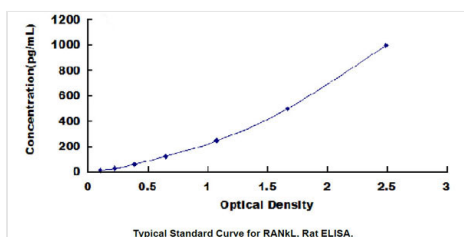
PRODUCT SYNONYMS

Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL); Rat Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) ELISA Kit; CD254; TNFSF11; ODF; OPGL; TRANCE; HRANKL2; SODf; Tumor Necrosis Factor(ligand)superfamily Member 11; TNF-related activation-induced cytokine; RANKL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of RANKL. No significant cross-reactivity or interference between RANKL and analogues was observed.
Sequence Length	270
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RANKL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RANKL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RANKL elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to RANKL. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to RANKL. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain RANKL, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of RANKL in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of RANKL in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for RANKL elisa kit	Signal transduction; Metabolic pathway; Apoptosis; Tumor immunity; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	18143619
NCBI GeneID	8600
UniProt Accession #	O14788; O14723; Q96Q17; Q9P2Q3
Molecular Weight	30,523 Da
NCBI Official Full Name	receptor activator of nuclear factor kappa B ligand 1
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 11
NCBI Official Symbol	TNFSF11
NCBI Official Synonym Symbols	ODF; OPGL; sOdf; CD254; OPTB2; RANKL; TRANCE; hRANKL2
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_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/rat-elisa-kits/receptor-activator-of-nuclear-factor-kappa-b-ligand-rankl/20570>