

Porcine Receptor Activator of Nuclear Factor Kb Ligand ELISA Kit | RANKL elisa kit

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CATALOG #
AAA93722

REACTIVITY
Porcine

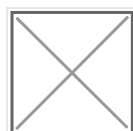
PRODUCT SYNONYMS

Receptor Activator of Nuclear Factor Kb Ligand; Porcine Receptor Activator of Nuclear Factor Kb Ligand ELISA Kit; RANKL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RANKL and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RANKL elisa kit

Principle of the Assay: RANKL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RANKL antibody and an RANKL-HRP conjugate. The assay sample and buffer are incubated together with RANKL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RANKL concentration since RANKL from samples and RANKL-HRP conjugate compete for the anti-RANKL antibody binding site. Since the number of sites is limited, as more sites are occupied by RANKL from the sample, fewer sites are left to bind RANKL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RANKL concentration in each sample is interpolated from this standard curve.

Intended Uses: This RANKL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine RANKL. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for RANKL elisa kit

[Immunology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2612922
NCBI GeneID	8600
Molecular Weight	30,523 Da
NCBI Official Full Name	RANKL
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; osteoprotegerin ligand; osteoclast differentiation factor; TNF-related activation-induced cytokine; receptor activator of nuclear factor kappa B ligand; receptor activator of nuclear factor kappa-B ligand
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/rankl-porcine-elisa-kits/receptor-activator-of-nuclear-factor-kb-ligand/93722>