

Porcine receptor activator of nuclear factor-kB (RANK) ELISA Kit | RANK elisa kit

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CATALOG #
AAA244488

REACTIVITY
Porcine

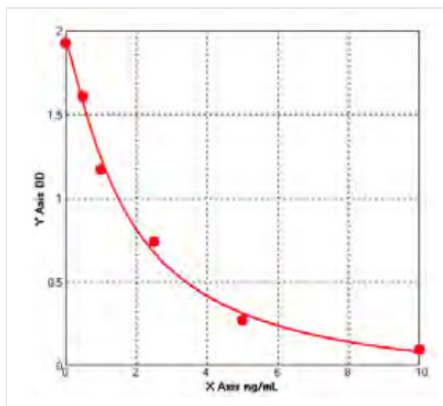
PRODUCT SYNONYMS

receptor activator of nuclear factor-kB (RANK); Porcine receptor activator of nuclear factor-kB (RANK) ELISA Kit; RANK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of RANK. No significant cross-reactivity or interference between RANK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RANK 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 RANK elisa kit	Principle of the Assay: RANK ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RANK antibody and an RANK-HRP conjugate. The assay sample and buffer are incubated together with RANK-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 RANK concentration since RANK from samples and RANK-HRP conjugate compete for the anti-RANK antibody binding site. Since the number of sites is limited, as more sites are occupied by RANK from the sample, fewer sites are left to bind RANK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RANK concentration in each sample is interpolated from this standard curve. Intended Uses: This RANK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of PorcineRANK. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for RANK elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	2612918
NCBI GeneID	8792
Molecular Weight	64,552 Da
NCBI Official Full Name	receptor activator of nuclear factor-kappa B
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 11a, NFkB activator
NCBI Official Symbol	TNFRSF11A
NCBI Official Synonym Symbols	FEO; OFE; ODFR; OSTs; PDB2; RANK; CD265; OPTB7; TRANCER; LOH18CR1
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11A; Paget disease of bone 2; receptor activator of NF-KB; osteoclast differentiation factor receptor; receptor activator of nuclear factor-kappa B; loss of heterozygosity, 18, chromosomal region 1
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 11A
UniProt Gene Name	TNFRSF11A
UniProt Synonym Gene Names	RANK; ODFR
UniProt Entry Name	TNR11_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/porcine-elisa-kits/receptor-activator-of-nuclear-factor-kb-rank/244488>