Datasheet for ABIN6719856

TNFRSF11A ELISA Kit

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Overview

Quantity:	1 kit
Target:	TNFRSF11A
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Mouse RANK Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse RANK. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 2 pg/mL
Components:	• Antibody-coated 96-well plate • Target Protein Standard • Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	TNFRSF11A
Alternative Name:	RANK (TNFRSF11A Products)
Background:	Synonyms: CD265, FEO, LOH18CR1, Loss of heterozygosity 18 chromosomal region 1, ODFR, OFE, OPTB7, Osteoclast differentiation factor receptor, OSTS, PDB2, Receptor activator of NF-KB, Receptor activator of nuclear factor kappa B, TNFRSF11A, TNR11_HUMAN, TRANCER, Tumor necrosis factor receptor superfamily member 11A, Tumor necrosis factor receptor superfamily member 11a activator of NFKB, Tumor necrosis factor receptor superfamily member 11a NFKB activator Background: Receptor Activator of Nuclear Factor kappa B(RANK), also known as TRANCE Receptor, is a type I membrane protein that is expressed on the surface of osteoclasts and is involved in their activation upon ligand binding. RANK is a recently described TNF receptor family member, and its ligand, RANKL, promote survival of dendritic cells and differentiation of osteoclasts. RANK contains 383 amino acids in its intracellular domain(residues 234-616), which contain three putative TRAF-binding domains(termed I, II, and III). RANK interacts with various TRAFs through distinct motifs and activates NF-kappaB via a novel TRAF6 interaction motif, which then activates NIK, thus leading to NF-kappaB activation, whereas RANK most likely activates JNK through a TRAF2-interacting region in RANK.
Gene ID:	21934
NCBI Accession:	NP_033425
UniProt:	O35305
Pathways:	NF-kappaB Signaling

Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL mouse

Application Details

	RANK standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates or serum to each empty well. It is recommended that each mouse RANK standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: Q30-P213
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months