

Datasheet for ABIN6719853 **TNFRSF11A ELISA Kit**



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Overview

Quantity:	1 kit
Target:	TNFRSF11A
Reactivity:	Human
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:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD265, FEO, LOH18CR1, Loss of heterozygosity 18 chromosomal region 1, ODFR, OFE, OPTB7, Osteoclast differentiation factor receptor, OSTS, PDB2, Receptor activator of NF-κB, 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 NFκB, Tumor necrosis factor receptor superfamily member 11a NFκB activator</p> <p>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</p>

Product Details

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. The standard in this kit is recombinant human RANK with the sequence of Q29-G213 aa. It is a dipolymer which compose of two chains, and the molecular weight of each is 48kda.

Gene Name: TNFRSF11A

Production: Natural and recombinant human RANK. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q29-G213

Target Details

Target:	TNFRSF11A
Alternative Name:	RANK (TNFRSF11A Products)
Gene ID:	8792
NCBI Accession:	NP_001257878
UniProt:	Q9Y6Q6
Pathways:	NF-kappaB Signaling

Application Details

Application Notes: Application Note: 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 human 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 human cell culture supernates or serum to each empty well. It is recommended that each human RANK standard solution and each sample be measured in duplicate.

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

Restrictions: For Research Use only

Handling

Storage: RT, 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.