Datasheet for ABIN6253590

RANKL Protein (AA 64-245) (Fc Tag)

3 Images

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Overview

Quantity:	50 µg
Target:	RANKL (TNFSF11)
Protein Characteristics:	AA 64-245
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RANKL protein is labelled with Fc Tag.

Product Details

Sequence:	AA 64-245
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	RANKL (TNFSF11)
Alternative Name:	TNFSF11 (TNFSF11 Products)
Background:	Receptor activator of nuclear factor kappa-B ligand (RANKL), also known as tumor necrosis factor ligand superfamily member 11 (TNFSF11), TNF-related activation-induced cytokine (TRANCE), osteoprotegerin ligand (OPGL), and osteoclast differentiation factor (ODF), is known as a type II membrane protein and is a member of the tumor necrosis factor (TNF) superfamily. RANKL, through its ability to stimulate osteoclast formation and activity, is a critical mediator of

Target Details

	bone resorption and overall bone density. Some findings also suggestion some cancer cells, particularly prostate cancer cells, can activate an increase in bone remodeling and ultimately increase overall bone production.[17] This increase in bone remodeling and bone production increases the overall growth of bone metastasizes. The overall control of bone remodeling is regulated by the binding of RANKL with its receptor or its decoy receptor, respectively, RANK and OPG.
Molecular Weight:	46.9 kDa
Pathways:	NF-kappaB Signaling

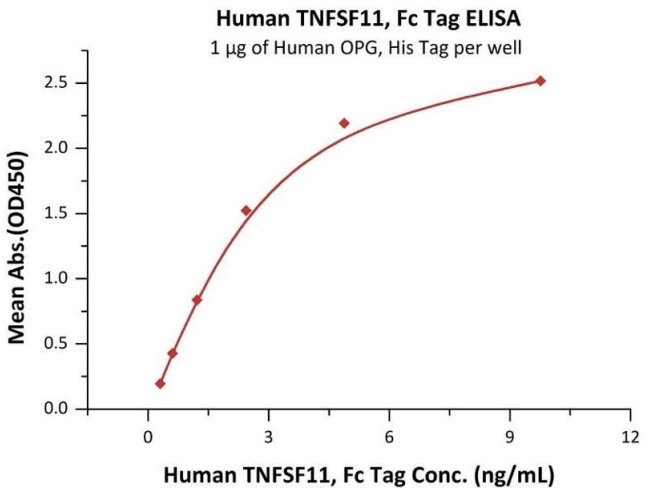
Application Details

Restrictions:	For Research Use only

Handling

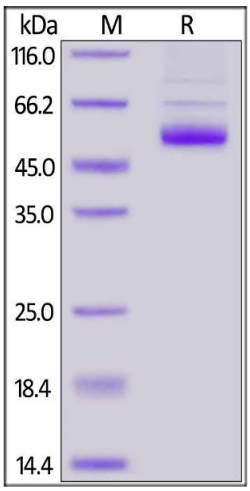
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



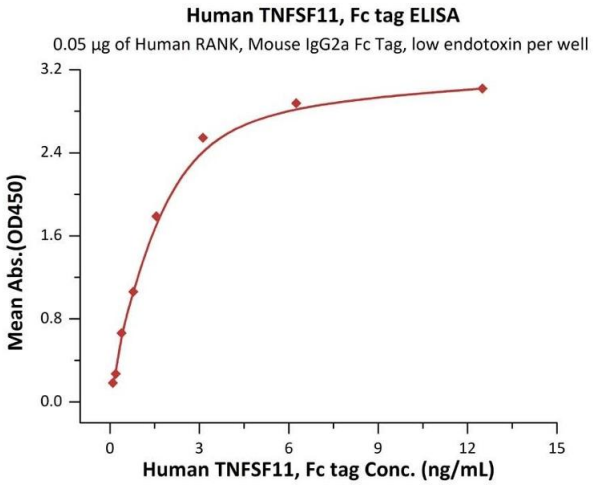
ELISA

Image 1. Immobilized Human OPG, His Tag (ABIN2181848,ABIN2181847) at 10 μg/mL (100 μL/well) can bind Human TNFSF11, Fc Tag (ABIN5954905,ABIN6253590) with a linear range of 0.3-2 ng/mL (Routinely tested).



SDS-PAGE

Image 2. Human TNFSF11, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



ELISA

Image 3. Immobilized Human RANK, Mouse IgG2a Fc Tag, low endotoxin (ABIN5954944,ABIN6253593) at 0.5 μg/mL (100 μL/well) can bind Human TNFSF11, Fc Tag (ABIN5954905,ABIN6253590) with a linear range of 0.1-3 ng/mL (QC tested).