



[Go to Product page](#)

Datasheet for ABIN7013608

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

### 3 Images

#### Overview

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

#### Product Details

Sequence:	AA 64-245
Characteristics:	Biotinylated Human TNFSF11 / RANKL / CD254 Protein, His,Avitag™, active trimer (MALS verified)
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU per µg by the LAL method.

#### Target Details

Target:	RANKL (TNFSF11)
Alternative Name:	TNFSF11 ( <a href="#">TNFSF11 Products</a> )
Background:	Receptor activator of nuclear factor kappa-B ligand (RANKL), also known as tumor necrosis

## Target Details

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 bone resorption and overall bone density. Some findings also suggest 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: 47.4 kDa

Pathways: [NF-kappaB Signaling](#)

## Application Details

Restrictions: For Research Use only

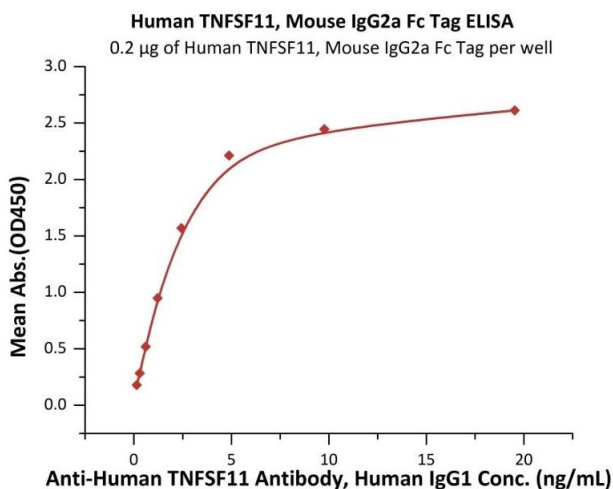
## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

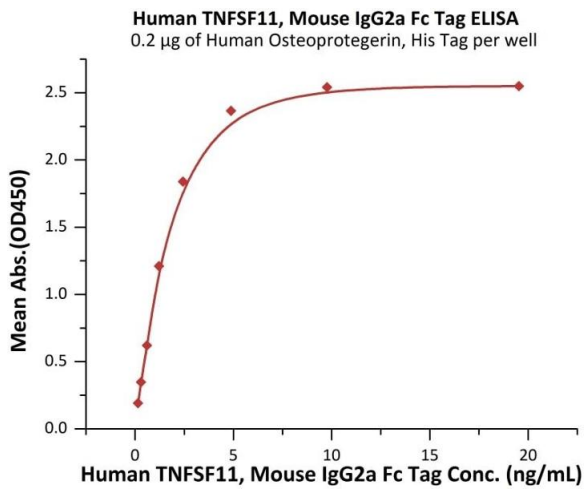
Storage: -20 °C

## Images



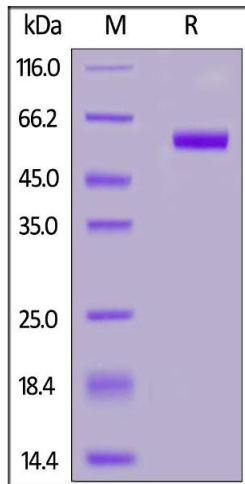
### ELISA

**Image 1.** Immobilized Human TNFSF11, Mouse IgG2a Fc Tag (ABIN6973284) at 2 µg/mL (100 µL/well) can bind A TNFSF11 Antibody, Human IgG1 with a linear range of 0.2-2 ng/mL (Routinely tested).



### ELISA

**Image 2.** Immobilized Human Osteoprotegerin, His Tag (ABIN2181848, ABIN2181847) at 2 µg/mL (100 µL/well) can bind Human TNFSF11, Mouse IgG2a Fc Tag (ABIN6973284) with a linear range of 0.2-2 ng/mL (QC tested).



### SDS-PAGE

**Image 3.** Human TNFSF11, Mouse IgG2a Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 %.