

Datasheet for ABIN2181849

Osteoprotegerin Protein (AA 22-401) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Osteoprotegerin (TNFRSF11B)
Protein Characteristics:	AA 22-401
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Osteoprotegerin protein is labelled with Fc Tag.

Product Details

Sequence:	AA 22-401
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 70.2 kDa. As a result of glycosylation, the protein migrates as 66-85 kDa under reducing (R) condition, and 130-170 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>92 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Osteoprotegerin (TNFRSF11B)
Alternative Name:	Osteoprotegerin (TNFRSF11B Products)

Target Details

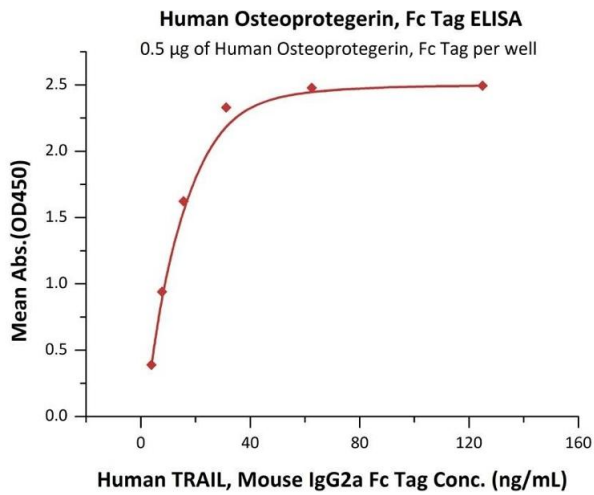
Target Type:	Chemical
Background:	<p>Tumor necrosis factor receptor superfamily member 11B (TNFRSF11B) is also known as Osteoclastogenesis inhibitory factor (OCIF), Osteoprotegerin (OPG). TNFRSF11B is a secreted homodimer protein, which can interact with TNFSF10 and TNFSF11. TNFRSF11B acts as decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. TNFRSF11B inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis.</p>
Molecular Weight:	70.2 kDa
NCBI Accession:	NP_002537

Application Details

Restrictions: For Research Use only

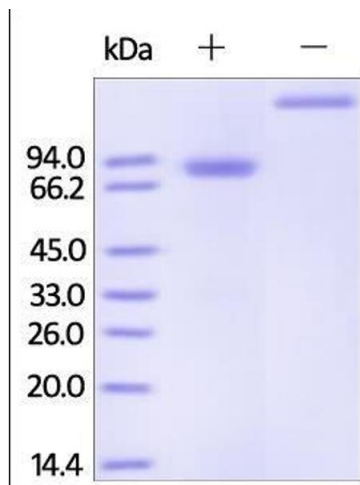
Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



ELISA

Image 1. Immobilized Human Osteoprotegerin, Fc Tag (ABIN2181850,ABIN2181849) at 5 µg/mL (100 µL/well) can bind Human TRAIL, Mouse IgG2a Fc Tag (ABIN6933657,ABIN6938881) with a linear range of 4-16 ng/mL (QC tested).



SDS-PAGE

Image 2. Human Osteoprotegerin, Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.