

Datasheet for ABIN5611144
anti-RANKL antibody (AA 74-308)

6 Images

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	RANKL (TNFSF11)
Binding Specificity:	AA 74-308
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human TNFSF11 (AA: 74-308) expressed in E. coli.
Clone:	3H8A7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	RANKL (TNFSF11)
Alternative Name:	TNFSF11 (TNFSF11 Products)
Background:	Description: This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. This protein was shown to be a dendritic cell survival factor and is involved in the

Target Details

regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. Two alternatively spliced transcript variants have been found.

Aliases: CD254, ODF, OPGL, sOdf, OPTB2, RANKL, TNLG6B, TRANCE, hRANKL2

Molecular Weight: 35.5 kDa

Gene ID: 8600

HGNC: 8600

Pathways: [NF-kappaB Signaling](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

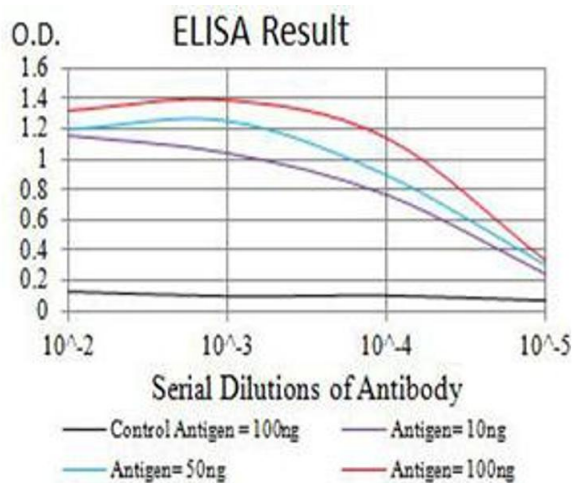
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

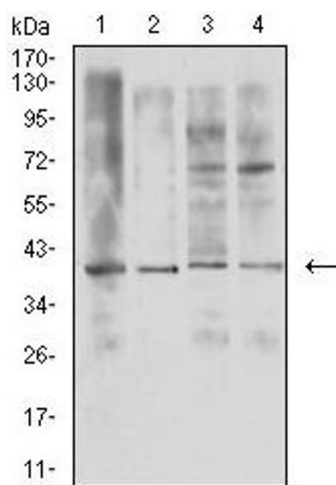
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



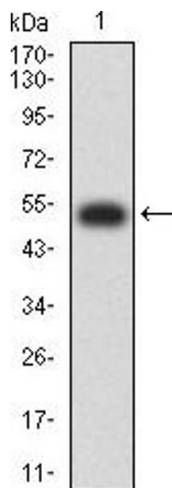
ELISA

Image 1. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 2. Western blot analysis using TNFSF11 mouse mAb against U937 (1), HL-60 (2), Raji (3), and Ramos (4) cell lysate.



Western Blotting

Image 3. Western blot analysis using TNFSF11 mAb against human TNFSF11 (AA: 74-308) recombinant protein. (Expected MW is 52.6 kDa)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5611144.