Datasheet for ABIN7535871

TREM2 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	TREM2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TREM2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Mouse TREM-2 Protein
Sequence:	LNTTVLQGMA GQSLRVSCTY DALKHWGRRK AWCRQLGEEG PCQRVVSTHG VWLLAFLKKR NGSTVIADDT LAGTVTITLK NLQAGDAGLY QCQSLRGREA EVLQKVLVEV LEDPLDDQDA GDLWVPEESS SFEGAQVEHS TSRNQETSFP PTS
Specificity:	Leu19-Ser171
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Mouse TREM-2 Protein at 1 µg/mL (100 µL/well) can bind TREM-2 Rabbit pAb with a linear range of 0.06-11.7 ng/mL.

Target Details

Target:	TREM2

Target Details

Alternative Name:	TREM-2 (TREM2 Products)
Background:	Description: Triggering Receptor Expressed on Myeloid cells 2 (TREM2)is a 35 kDa type I transmembrane member of the TREM family and Ig superfamily. Mature human TREM2 consists of a 156 amino acid (aa) extracellular domain (ECD) with one V-type Ig-like domain, a 21 aa transmembrane (TM) domain, and a 35 aa cytoplasmic tail. Soluble forms of the TREM2 ECD are generated by alternative splicing or proteolytic cleavage, and the cytoplasmic domain can be liberated by gamma-Secretase mediated intramembrane cleavage. A positively charged lysine within the transmembrane segment allows association with the signal adapter protein, DAP12 and inhibition of macrophage activation. TREM2 is expressed on macrophages, immature myeloid dendritic cells, osteoclasts, microglia, and adipocytes.It promotes the differentiation and function of osteoclasts, the production of inflammatory cytokines by adipocytes, insulin resistance, and the phagocytic clearance of bacteria Name: TREM-2,Trem2a,Trem2b,Trem2c,TREM2
Gene ID:	83433
UniProt:	Q99NH8-1

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.