

Datasheet for ABIN7275786

TREM2 Protein (AA 19-174) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TREM2
Protein Characteristics:	AA 19-174
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREM2 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus TREM2 Protein
Sequence:	His19-Ser174
Characteristics:	Recombinant Cynomolgus TREM2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His19-Ser174.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus TREM2, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-TREM2 Antibody, hFc Tag with the EC50 of 0.22µg/ml determined by ELISA. See testing image for detail.

Target Details

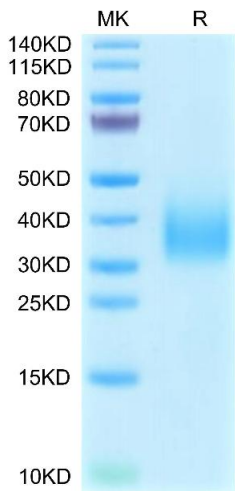
Target:	TREM2
Alternative Name:	TREM2 (TREM2 Products)
Background:	TREM-2 (Triggering Receptor Expressed on Myeloid cells-2) is a 35 kDa type I transmembrane member of the TREM family and Ig superfamily. Mature human TREM-2 consists of a 156 amino acid (aa) extracellular domain (ECD) with one V-type Ig-like domain, a 21 aa transmembrane (TM) domain, and a 35 aa cytoplasmic tail. TREM-2 forms a receptor signaling complex with TYROBP which mediates signaling and cell activation following ligand binding (PubMed:10799849). Acts as a receptor for amyloid-beta protein 42, a cleavage product of the amyloid-beta precursor protein APP, and mediates its uptake and degradation by microglia.
Molecular Weight:	18.5 kDa. Due to glycosylation, the protein migrates to 33-42 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

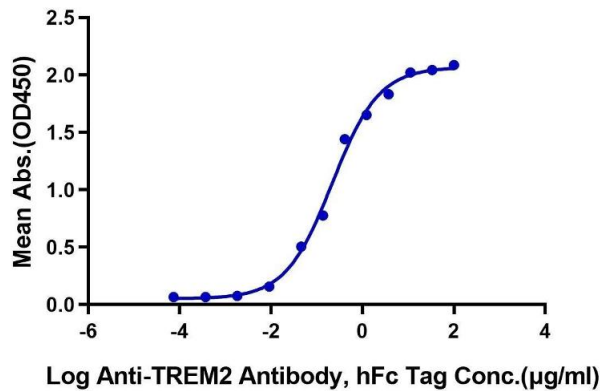
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Cynomolgus TREM2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Cynomolgus TREM2, His Tag ELISA
0.2µg Cynomolgus TREM2, His Tag Per Well



ELISA

Image 2. Immobilized Cynomolgus TREM2, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-TREM2 Antibody, hFc Tag with the EC50 of 0.22 µg/mL determined by ELISA.