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TREM2 Protein (His-Avi Tag, Biotin)

Images



Overview

Quantity:	100 μg
Target:	TREM2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREM2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	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 Anti-TREM2 Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response
	curve for Biotinylated Human TREM2, His Tag with the EC50 of 0.42µg/ml determined by
	ELISA. See testing image for detail.

Target Details

Target:	TREM2
Alternative Name:	TREM2 (TREM2 Products)
Background:	PLOSL2, TREM2, TREM-2, Trem2a, Trem2b, Trem2c, TREM-2 (Triggering Receptor Expressed
	on Myeloid cells-2) is a 35 kDa type I transmembrane member of the TREM family and Ig

Target Details

superfamily. Mature human TREM-2 consists of a 156 amino acid (aa) extracellular domain	1
(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	or
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:

20.3 kDa. Due to glycosylation, the protein migrates to 30-45 kDa based on Tris-Bis PAGE result.

Application Details

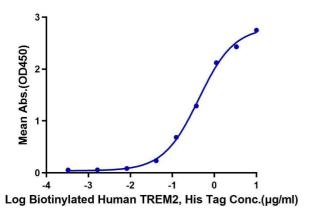
Restrictions:

For Research Use only

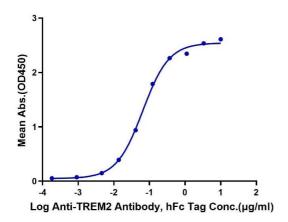
Handling

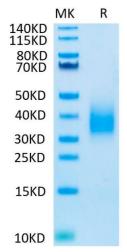
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Biotinylated Human TREM2, His Tag ELISA 0.2µg Anti-TREM2 Antibody, hFc Tag Per Well



Biotinylated Human TREM2, His Tag ELISA 0.2µg Biotinylated Human TREM2, His Tag Per Well





ELISA

Image 1. Immobilized Anti-TREM2 Antibody, hFc Tag at 2 μ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Human TREM2, His Tag with the EC50 of 0.42 μ g/mL determined by ELISA.

ELISA

Image 2. Immobilized Biotinylated Human TREM2, His Tag at 2 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Anti-TREM2 Antibody, hFc Tag with the EC50 of 65.1 ng/mL determined by ELISA.

SDS-PAGE

Image 3. Biotinylated Human TREM2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.