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# TREM2 Protein (AA 19-174) (His tag)

2 Images



## Overview

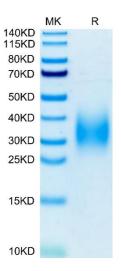
Quantity:	100 μg
Target:	TREM2
Protein Characteristics:	AA 19-174
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREM2 protein is labelled with His tag.

## **Product Details**

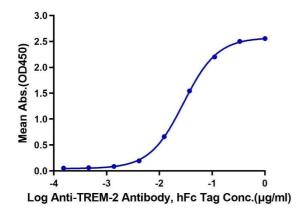
Purpose:	Human TREM2 Protein
Sequence:	His19-Ser174
Characteristics:	Recombinant Human TREM2 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains His19-Ser174.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human TREM2, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-TREM-2 Antibody, hFc Tag with the EC50 of 28.6ng/ml determined by ELISA. See
	testing image for detail.

# **Target Details**

- 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 28-40 kDa based on Tris-Bis PAGE result
Application Details	
Restrictions:	For Research Use only
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



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



## **SDS-PAGE**

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

#### **ELISA**

**Image 2.** Immobilized Human TREM2, His Tag at  $2 \mu g/mL$  (100  $\mu L/well$ ) on the plate. Dose response curve for Anti-TREM-2 Antibody, hFc Tag with the EC50 of 28.6 ng/mL determined by ELISA.