

Active Recombinant Human TREM2 protein(Met1-Ser174), His&Avi-tagged, Biotinylated

Cat. No. TREM2-310H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human TREM2 (NP_061838.1) (Met1-Ser174) was expressed in HEK293, fused with a C-terminal polyhistidine tag followed by an AVI tag.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser174
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized TREM-2 / TREM2 Antibody, Mouse MAb at 1 µg/mL (100 µL/well) can bind Human TREM-2 Protein (ECD, His & AVI Tag), Biotinylated, the EC50 is 16-45ng/mL.
Molecular Mass	The recombinant human TREM2 consists of 182 amino acids and predicts a molecular mass of 20.69 kDa. It migRates as an approximately 34.12 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	TREM2 triggering receptor expressed on myeloid cells 2 [Homo sapiens]
Official Symbol	TREM2
Synonyms	TREM2; triggering receptor expressed on myeloid cells 2; triggering receptor expressed on myeloid cells 2a; TREM 2; Trem2a; Trem2b; Trem2c; triggering receptor expressed on monocytes 2; TREM-2;
Gene ID	54209
mRNA Refseq	NM_018965
Protein Refseq	NP_061838
MIM	605086
UniProt ID	Q9NZC2

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