

Active Recombinant Human TREM1 Protein, Fc Tagged

Cat. No. TREM1-11243H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TREM-1, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Ala 21-Arg 200 (Accession # Q9NP99-1). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Ala 21
Species	Human
Source	HEK293
ProteinLength	21-200 aa
Description	Triggering receptor expressed on myeloid cells 1 (TREM1) is also known as CD antigen CD354, and is a type I transmembrane protein with a single Ig-like domain. TREM1 is highly expressed in adult liver, lung and spleen than in corresponding fetal tissue. TREM-1/CD354 stimulates neutrophil and monocyte-mediated inflammatory responses, and also triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Amplifier of inflammatory responses that are triggered by bacterial and fungal infections and is a crucial mediator of septic shock. TREM1 can interacts with TYROBP/DAP12.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human TREM-1, Fc Tag at 5 µg/mL (100 µL/well) can bind Recombinant Human PGLYRP1/PGRP-S Protein, CF with a linear range of 0.002-0.156 µg/mL.
Molecular Mass	The protein has a calculated MW of 46.7 kDa. The protein migrates as 55-66 kDa

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	under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please 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 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TREM1 triggering receptor expressed on myeloid cells 1 [Homo sapiens (human)]
Official Symbol	TREM1
Synonyms	TREM1; triggering receptor expressed on myeloid cells 1; CD354; TREM 1; triggering-receptor TREM1; triggering receptor expressed on monocytes 1; TREM-1;
Gene ID	54210
mRNA Refseq	NM_001242589
Protein Refseq	NP_001229518
MIM	605085

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UniProt ID

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