

Recombinant Mouse Trem1 protein, His-tagged

Cat. No. Trem1-17319M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Trem1(Ala21-Ser202) fused with 10-his tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Ala21-Ser202
Description	Triggering Receptor Expressed on Myeloid Cells 1 (TREM-1) is a transmembrane protein with a single Ig-like domain. TREM-1 associates with the adapter protein, DAP12, to deliver an activating signal. TREM-1 is expressed on blood neutrophils and monocytes, and the expression is up-regulated by bacterial LPS. TREM-1 is expressed at high levels on neutrophils of patients with microbial sepsis and in mice with a TREM-1/Fc fusion protein protected mice against LPS-induced shock. It stimulates neutrophil and monocyte-mediated inflammatory responses. Triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. TREM-1 is amplifier of inflammatory responses that are triggered by bacterial and fungal infections and are a crucial mediator of septic shock.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
AA Sequence	AIVLEEERYDLVEGQTLTVKCPFNIMKYANSQKAWQRLPDGKEPLTLVVTRPFPTRP SEVHMGKF TLKHDPSEAMLQVQMTDLQVTD SGLYRCVIYHPPNDPVVLFHPVRLVV

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TKGSSDVFTPVIIPITR LTERPILITTKYSPSDTTTTRSLPKPTAVVSSPGLGVTIINGTD
ADSVSTSSHHHHHH

Endotoxin Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.

Purity Greater than 95% as determined by reducing SDS-PAGE.

Storage Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.
Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100 µg/ml.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name Trem1 triggering receptor expressed on myeloid cells 1 [Mus musculus]

Official Symbol Trem1

Synonyms TREM1; triggering receptor expressed on myeloid cells 1; triggering receptor expressed in monocytes 1;

Gene ID 58217

mRNA Refseq NM_021406

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Protein Refseq	NP_067381
UniProt ID	Q9JKE2
Chromosome Location	17; 17 C
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	receptor activity;

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