

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	AIVLEEERYDLVEGQTLTVKCPFNIMKYANSQKAWQRLPDGKEPLTLVVTQRPFTRP SEVHMGKF TLKHDPSEAMLQVQMTDLQVTDGLYRCVIYHPPNDPVVLFHPVRLVV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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 ddH ₂ O. 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA