

32-8952: Recombinant Mouse TREM-1/CD354 (C-6His)

Gene : Trem1
Gene ID : 58217
Uniprot ID : Q9JKE2

Description

Source: Human Cells.
MW :20.9kD.

Recombinant Mouse Triggering Receptor Expressed On Myeloid Cells 1 is produced by our Mammalian expression system and the target gene encoding Ala21-Ser202 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : AIVLEEERYDLVEGQTLTVKCPFNIMKYANSQKAWQRLPDGKEPLTLVVTQRPFTRPSEVHMGKFTLKHDHPSEA
MLQVQMTDLQVTD SGLYRCVIYHPPNDPVVLFHPVRLVVTKGSSDVFTPVIIPIITRLTERPILITTKYSPSDTTTTR
SLPKPTAVVSSPGLGVTIINGTDADSVSTSSHHHHHH

Application Note

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