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Product Datasheet

Recombinant Mouse TREM-1 (C-6His) EBT-EPT118

Article Name	Recombinant Mouse TREM-1 (C-6His)
Biozol Catalog Number	EBT-EPT118
Supplier Catalog Number	EPT118
Alternative Catalog Number	EBT-EPT118-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	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....
Molecular Weight	Molecular weight: 20.9 KDa. Apparent molecular weight: 38 KDa, reducing conditions
UniProt	Q9JKE2
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: 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.
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