Datasheet for ABIN1097700

TREM1 Protein (AA 21-201) (His tag)

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Overview

Quantity:	50 µg
Target:	TREM1
Protein Characteristics:	AA 21-201
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TREM-1/CD354 (C-6His)
Sequence:	ATKLTEEKYE LKEGQTLDVK CDYTLEKFAS SQKAWQIIRD GEMPKTLACT ERPSKNSHPV QVGRIILEDY HDHGLLRVRM VNLQVEDSGL YQCVIYQPPK EPHMLFDRIR LVVTKGFSGT PGSNENSTQN VYKIPPTTTK ALCPLYTSPR TVTQAPPKST ADVSTPDSEI NLTNVTDIIR VDHHHHHH
Characteristics:	Recombinant Human Triggering Receptor Expressed on Myeloid Cells 1/TREM-1 produced by transfected human cells is a secreted protein with sequence (Ala21-Val201) of Human TREM1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TREM1
Alternative Name:	trem-1 (TREM1 Products)
Sub Type:	Fusionprotein
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. Human TREM-1 shares 42% sequence homology with mouse TREM-1. Alternative Names: Triggering Receptor Expressed on Myeloid Cells 1, TREM-1, Triggering Receptor Expressed on Monocytes 1, CD354, TREM1
Molecular Weight:	21.3 kDa
UniProt:	Q9NP99

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	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.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	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.
Expiry Date:	3 months