Recombinant Human TREM-1 (C-6His)

Catalog No: C506

Description	Recombinant Human Triggering Receptor Expressed on Myeloid Cells 1 is produced by our Mammalian expression system and the target gene encoding Ala21-Arg200 is expressed with a 6His tag at the C- terminus.
Source	Human cells
Alternative name	Triggering Receptor Expressed on Myeloid Cells 1; TREM-1; Triggering Receptor Expressed on Monocytes 1; CD354; TREM1
Accession No.	Q9NP99
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Quality Control	Purity Greater than 95% as determined by reducing SDS-PAGE. Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Predicted Molecular Mass	21.3kDa
Reconstitution	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.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	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.
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.

SDS-PAGE