Datasheet for ABIN1097703

TREML1 Protein (AA 16-162) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	TREML1
Protein Characteristics:	AA 16-162
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREML1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TREML1/TLT-1 (C-6His)
Sequence:	QGIVGSLPEV LQAPVGSSIL VQCHYRLQDV KAQKVWCRFL PEGCQPLVSS AVDRRAPAGR RTFLTDLGGG LLQVEMVTLQ EEDAGEYGCM VDGARGPQIL HRVSLNILPP EEEEETHKIG SLAENAFSDP AGSANPLEPS QDEKSIPVDH HHHHH
Characteristics:	Recombinant Human Triggering Receptor Expressed on Myeloid Cells-Like Protein 1/TREML1 produced by transfected human cells is a secreted protein with sequence (Gln16-Pro162) of Human TREML1 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:	TREML1
Alternative Name:	tlt-1 (TREML1 Products)
Sub Type:	Fusionprotein
Background:	Triggering Receptor Expressed on Myeloid Cells-Like Protein 1 (TREML1) is a single-pass type I membrane protein. TREML1 precursor contains a 15 amino acid signal peptide, a 147 amino acid extracellular domain with an Ig-like V-type (immunoglobulin-like) domain, and 128 amino acid cytoplasmic domain. It can be expressed exclusively in platelets and megakaryocytes (MKs). It is a cell surface receptor that may play a role in the innate and adaptive immune response. TREML1 Sequestered in cytoplasmic vesicles in resting platelets. TREML1 be transported to the cell surface after stimulation by thrombin. Soluble fragments can be released into the serum by proteolysis. The phosphorylated TREML1 can interact with PTPN6 and PTPN11. TREML1 may participate in maintaining vascular hemostasis and regulating coagulation and inflammation at sites of injury. Alternative Names: Trem-Like Transcript 1 Protein, TLT-1, Triggering Receptor Expressed on Myeloid Cells-Like Protein 1, TREML1, TLT1
Molecular Weight:	16.88 kDa
UniProt:	Q86YW5

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.

Handling

	Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months

