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Datasheet for ABIN1097215

CD300LG Protein (AA 19-247) (His tag)

Overview

Quantity:	50 µg
Target:	CD300LG (TREM4)
Protein Characteristics:	AA 19-247
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD300LG protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CMRF35-Like Molecule 9/CLM-9/CD300LG (C-6His)
Sequence:	LEGPEEISGF EGDTVSLQCT YREELRDHRK YWCRKGGILF SRCSGTIYAE EEGQETMKGR VSIRDSRQEL SLIVTLWNLT LQDAGEYWCG VEKRGPDLSL LISLFVFP GPCCPPSPSPTF QPLATTRLQP KAKAQQTQPP GLTSPGLYPA ATTAKQGKTG AEAPPLPGTS QYGHERTSQY TGTSPHPATS PPAGSSRPPM QLNSTSAEDT SPALSSGSSK PRVSIPMVRV DHHHHHH
Characteristics:	Recombinant Human CMRF35-Like Molecule 9/CLM-9 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Leu19-Arg247) of Human CD300LG 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:	CD300LG (TREM4)
Alternative Name:	cd300lg (TREM4 Products)
Sub Type:	Fusionprotein
Background:	<p>CMRF35-Like Molecule 9 (CD300LG) is a single-pass type I membrane protein which belongs to the CD300 family. CD300LG has one Ig-like V-type domain which mediates binding to lymphocyte. CD300LG is highly expressed in heart, skeletal muscle and placenta. CD300LG acts as a receptor which may mediate L-selectin-dependent lymphocyte rollings. CD300LG also binds SELL in a calcium dependent manner and lymphocyte. CD300LG may play a important role in molecular traffic across the capillary endothelium.</p> <p>Alternative Names: CMRF35-Like Molecule 9, CLM-9, CD300 Antigen-Like Family Member G, Triggering Receptor Expressed on Myeloid Cells 4, TREM-4, CD300g, CD300LG, CLM9, TREM4</p>
Molecular Weight:	25.78 kDa
UniProt:	Q6UXG3

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
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:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months