

[Go to Product page](#)

Datasheet for ABIN1097083

CD300a Protein (CD300A) (AA 18-178) (His tag)

Overview

Quantity:	50 µg
Target:	CD300a (CD300A)
Protein Characteristics:	AA 18-178
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD300a protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a (C-6His)
Sequence:	LSKCRTVAGP VGGSLSVQCP YEKEHRTLNK YWCRPPQIFL CDKIVETKGS AGKRNGRVSIRDSPANLSFT VTLENLTEED AGTYWCGVDT PWLRDFHDPV VEVEVSVPFA STSMTPASITAAKTSTITTA FPPVSSTTLF AVGATHSASI QEETEEVNS QVDHHHHHH
Characteristics:	Recombinant Human CD300A is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Leu18-Gln178) of Human CD300A 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:	CD300a (CD300A)
Alternative Name:	cd300a (CD300A Products)
Sub Type:	Fusionprotein
Background:	<p>CD300A is a single-pass type I membrane protein that belongs to the CD300 family. CD300A consists of a 163 amino acid (aa) extracellular domain (ECD) with one Ig-like V- type domain, a 21 amino acid transmembrane segment, and a 98 amino acid cytoplasmic domain with tyrosine residues. CD300A is expressed not only by natural killer (NK) cells but also by T-cell subsets, B-cells, dendritic cells, mast cells, granulocytes and monocytes. CD300A is an inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation.</p> <p>Alternative Names: CMRF35-Like Molecule 8, CLM-8, CD300 Antigen-Like Family Member A, CMRF-35-H9, CMRF35-H9, CMRF35-H, IRC1/IRC2, Immunoglobulin Superfamily Member 12, IgSF12, Inhibitory Receptor Protein 60, IRp60, NK Inhibitory Receptor, CD300a, CD300A, CMRF35H, IGSF12</p>
Molecular Weight:	18.48 kDa
UniProt:	Q9UGN4
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Restrictions: For Research Use only

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>

Handling

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

Expiry Date: 3 months