



[Go to Product page](#)

Datasheet for ABIN1691642  
**CD300a Protein (CD300A) (AA 18-178) (His tag,Fc 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,Fc Tag.

Product Details

Purpose:	Recombinant Human Leukocyte Mono Ig-Like Receptor 1/LMIR1/CD300a (C-Fc-6His)
Sequence:	LSKCRTVAGP VGGSLSVQCP YEKEHRTLNK YWCRPPQIFL CDKIVETKGS AGKRNGRVS RDSPANLSFT VTLENLTEED AGTYWCGVDT PWLRDFHDPV VEVEVSVFPA STSMTPASIT AAKTSTITTA FPPVSSTTLF AVGATHSASI QEETEEVNS QVDDIEGRMD EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTPP PVLDSGDSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKHHHHHHH
Characteristics:	Recombinant Human CD300A is produced by our mammalian expression system. The target protein is expressed with sequence (Leu18-Gln178) of Human LMIR1CD300A fused with a FC-6xHis tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

---

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:	LMIR1CD300A ( <a href="#">CD300A Products</a> )
Sub Type:	Fusionprotein
Background:	<p>CD300A is a single-pass type I membrane protein which belongs to the CD300 family. It contains 1 Ig-like V-type (immunoglobulin-like) domain. The CD300 family of myeloid immunoglobulin receptors includes activating (CD300b, CD300e) and inhibitory members (CD300a, CD300f), as well as molecules presenting a negative charge within their transmembrane domain (CD300c, CD300d). It 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. CD300c is a functional immune receptor able to deliver activating signals upon ligation in RBL-2H3 mast cells.</p> <p>Alternative Names: CMRF35-like molecule 8, CD300 antigen-like family member A, CMRF-35-H9, CMRF35-H, IRC1/IRC2, Immunoglobulin superfamily member 12, Inhibitory receptor protein 60, NK inhibitory receptor</p>
Molecular Weight:	45.4 kDa
UniProt:	<a href="#">Q9UGN4</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## 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 ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

## Handling

---

Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, 5 % Trehalose, pH 8.0.
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:	5 months