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Datasheet for ABIN7318731
CD300a Protein (CD300A) (His tag,Fc Tag)

Overview

Quantity:	50 µg
Target:	CD300a (CD300A)
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 CD300a/LMIR1 Protein (Fc & His Tag)
Sequence:	Leu18-Gln178
Characteristics:	Recombinant Human Leukocyte mono-Ig-like receptor 1 is produced by our Mammalian expression system and the target gene encoding Leu18-Gln178 is expressed with a Fc, 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD300a (CD300A)
Alternative Name:	CD300a/LMIR1 (CD300A Products)
Background:	Background: 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

Target Details

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.

Synonym: 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

Molecular Weight: 45.4 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: Please refer to the printed manual for detailed information.

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

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.