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Datasheet for ABIN7504262

CD300a Protein (CD300A) (AA 18-180) (AVI tag)

Overview

Quantity:	100 µg
Target:	CD300a (CD300A)
Protein Characteristics:	AA 18-180
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD300a protein is labelled with AVI tag.

Product Details

Purpose:	Human CD300A Protein
Sequence:	Leu18-Pro180
Characteristics:	Recombinant Human CD300A Protein is expressed from HEK293 with Avi tag at the C-terminus. It contains Leu18-Pro180.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD300a (CD300A)
Alternative Name:	CD300A (CD300A Products)

Target Details

Background: CD300a is an inhibitory receptor for mast cells and eosinophils in allergic inflammation (AI), however, the spatiotemporal expression of CD300a and its potential roles in the resolution of AI are still to be determined. CD300a expression on peritoneal cells is regulated from inflammation to resolution. CD300a activation on mouse bone marrow-derived mast cells regulated ALX/FPR2 expression levels following IgE-mediated activation.

Molecular Weight: 19.46 kDa. Due to glycosylation, the protein migrates to 40-55 kDa based on Tris-Bis PAGE result.

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., -2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months