

Datasheet for ABIN7274278

CD300a Protein (CD300A) (AA 18-180) (His tag)**3** Images[Go to Product page](#)

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 His tag.

Product Details

Purpose:	Human CD300A Protein
Sequence:	Leu18-Pro180
Characteristics:	Recombinant Human CD300A Protein is expressed from HEK293 with His 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.
Biological Activity Comment:	Immobilized Human CD300A, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD300A Antibody, hFc Tag with the EC50 of 24.2ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD300a (CD300A)
Alternative Name:	CD300A (CD300A Products)
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:	18.7 kDa. Due to glycosylation, the protein migrates to 48-60 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

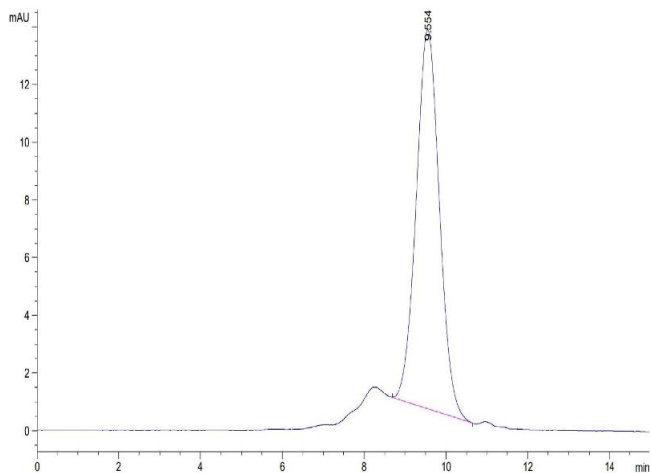
Restrictions:	For Research Use only
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Handling

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

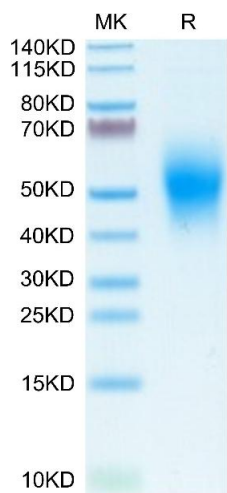
Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human CD300A is greater than 95 % as determined by SEC-HPLC.

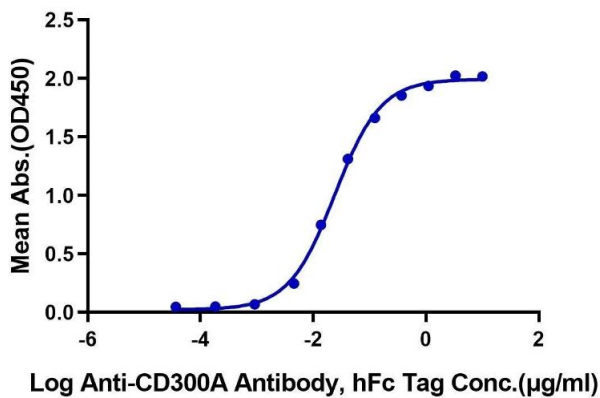


SDS-PAGE

Image 2. Human CD300A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Human CD300A, His Tag ELISA
0.05µg Human CD300A, His Tag Per Well



ELISA

Image 3. Immobilized Human CD300A, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CD300A Antibody, hFc Tag with the EC50 of 24.2 ng/mL determined by ELISA.