antibodies

## Datasheet for ABIN7274280 CD300a Protein (CD300A) (AA 18-180) (Fc Tag)





Overview

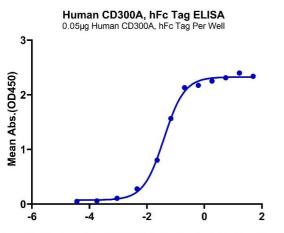
Quantity:	100 µg
Target:	CD300a (CD300A)
Protein Characteristics:	AA 18-180
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD300a protein is labelled with Fc Tag.

### Product Details

Purpose:	Human CD300A Protein
Sequence:	Leu18-Pro180
Characteristics:	Recombinant Human CD300A Protein is expressed from HEK293 with hFc 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 $\mu$ g by the LAL method.
Biological Activity Comment:	Immobilized Human CD300A, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response
	curve for Biotinylated Anti-CD300A Antibody, hFc Tag with the EC50 of 39.5ng/ml determined
	by ELISA. See testing image for detail.

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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:	44.4 kDa. Due to glycosylation, the protein migrates to 60-75 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 $\mu$ g/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



Log Biotinylated Anti-CD300A Antibody, hFc Tag Conc.(µg/ml)

#### MK R 140KD 115KD 80KD 70KD 50KD 40KD 30KD 25KD 15KD 10KD mAU 1 22.5 -20 -17.5 -15 12.5 10 7.5 5 2.5 4 8 10 12 14 6

#### ELISA

**Image 1.** Immobilized Human CD300A, hFc Tag at  $0.5 \mu$  g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Biotinylated Anti-CD300A Antibody, hFc Tag with the EC50 of 39.5 ng/mL determined by ELISA.

#### SDS-PAGE

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

# Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human CD300A is greater than 95 % as determined by SEC-HPLC.

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