

Human CD300A Protein



Cat. No. CDA-HM201

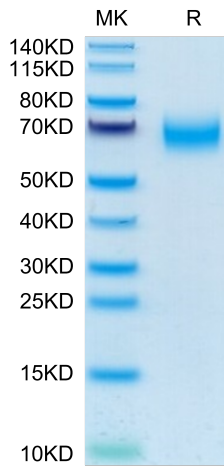
Description	
Source	Recombinant Human CD300A Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu18-Pro180.
Accession	Q9UGN4-1
Molecular Weight	The protein has a predicted MW of 44.4 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

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.	

Assay Data

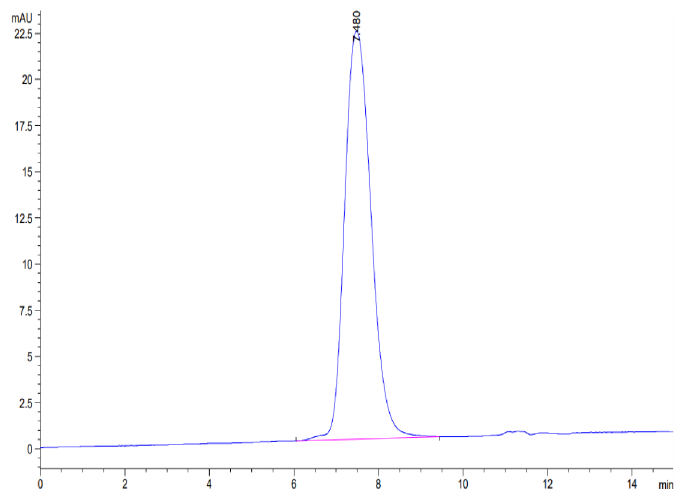
Tris-Bis PAGE



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

SEC-HPLC

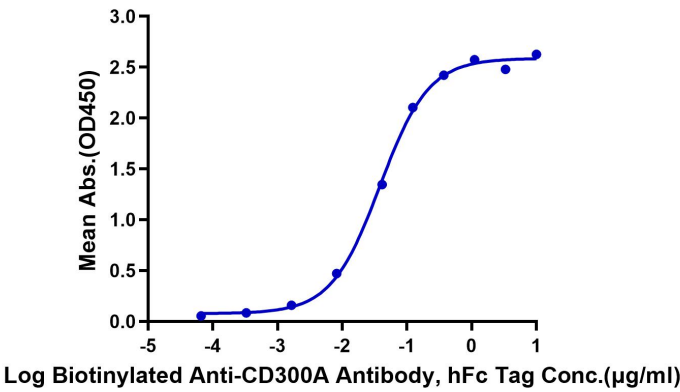
Assay Data



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

ELISA Data

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



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 38.2ng/ml determined by ELISA.