

Synonym

CD300A,CLM-8,CMRF-35-H9,CMRF35-H9,CMRF35-H,IRC1,IRC2,IgSF12,IRp60,CMRF35H,IGSF12,LMIR1

Source

Human CD300a Protein, His Tag(CDA-H52H5) is expressed from human 293 cells (HEK293). It contains AA Leu 18 - Ser 128 (Accession # [Q9UGN4-1](#)).

Molecular Characterization

CD300a(Leu 18 - Ser 128)
Q9UGN4-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 14.4 kDa. The protein migrates as 16 kDa and 19-26 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

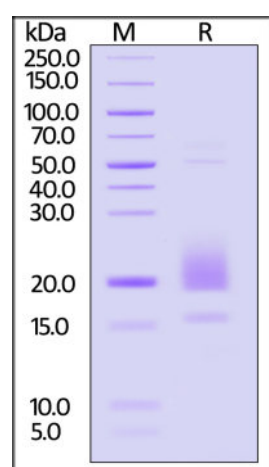
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

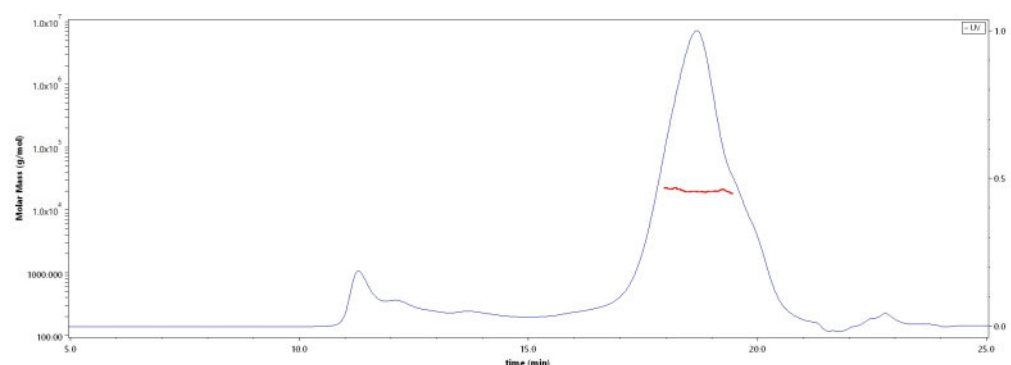
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CD300a Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS



The purity of Human CD300a Protein, His Tag (Cat. No. CDA-H52H5) is more than 85% and the molecular weight of this protein is around 16-24 kDa verified by SEC-MALS.

[Report](#)

Background

CD300a, expressed not only by natural killer (NK) cells but also by T-cell subsets, B-cells, dendritic cells, mast cells, granulocytes and monocytes. 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. Negatively regulates the Toll-like receptor (TLR) signaling mediated by MYD88 but not TRIF through activation of PTPN6.

Clinical and Translational Updates

Human CD300a / LMIR1 Protein, His Tag (MALS verified)

Catalog # CDA-H52H5



Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.