antibodies

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





Overview

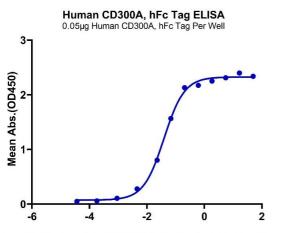
| Quantity: | 100 µg |
|-------------------------------|--|
| Target: | CD300a (CD300A) |
| Protein Characteristics: | AA 18-180 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD300a protein is labelled with Fc Tag. |

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 μ 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 μ 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 0.5μ g/mL (100 μ 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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