

Datasheet for ABIN7275612
SIGLEC10 Protein (Fc-Avi Tag,Biotin)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	SIGLEC10
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC10 protein is labelled with Fc-Avi Tag,Biotin.

Product Details

Sequence:	Met17-Thr546
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 Anti-Siglec-10 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Siglec-10, hFc Tag with the EC50 of 25ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	SIGLEC10
Alternative Name:	Siglec-10 (SIGLEC10 Products)
Background:	SLG2, SIGLEC10, MGC126774, PRO940,Siglec-10 is a ligand for CD52, the target of the therapeutic monoclonal antibody Alemtuzumab. It is also reported to bind to Vascular adhesion

Target Details

protein 1 (VAP-1) and to the co-stimulatory molecule CD24 also known as HSA (Heat-stable antigen). Siglecs (sialic acid binding Ig-like lectins) are I-type lectins that belong to the immunoglobulin superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by a varying number of Ig-like C2-type domains. Siglecs 5-11 constitute the CD33/Siglec-3 related group, and are differentially expressed in the hematopoietic system.

Molecular Weight:	85.8 kDa. Due to glycosylation, the protein migrates to 95-110 kDa based on Tris-Bis PAGE result.
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
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Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
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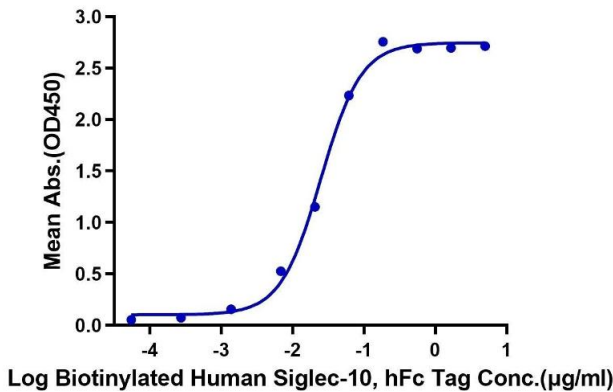
Storage:	4 °C,-80 °C
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Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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Biotinylated Human Siglec-10, hFc Tag ELISA

0.1µg Anti-Siglec-10 Antibody, hFc Tag Per Well

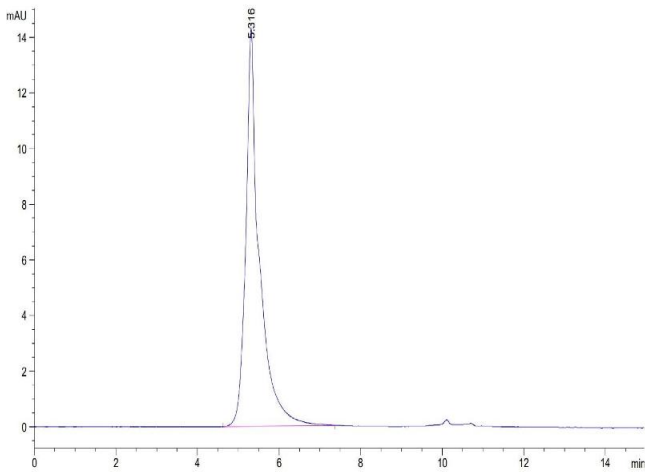


ELISA

Image 1. Immobilized Anti-Siglec-10 Antibody, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human Siglec-10, hFc Tag with the EC50 of 25 ng/mL determined by ELISA.

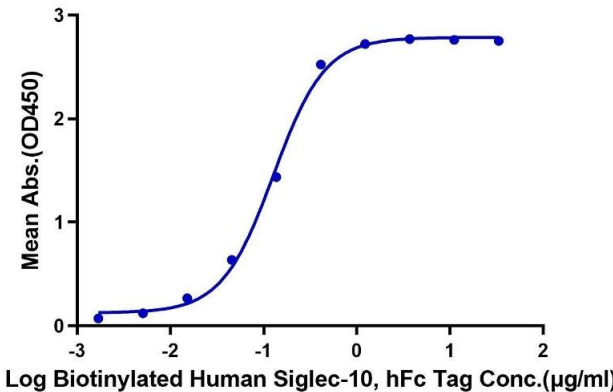
Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human Siglec-10 is greater than 95 % as determined by SEC-HPLC.



Biotinylated Human Siglec-10, hFc Tag ELISA

0.1µg Anti-Siglec-10 Ab., hFc Tag Per Well



ELISA

Image 3. Immobilized Anti-Siglec-10 Ab. at 1 µg/mL (100 µL/Well). Dose response curve for Biotinylated Human Siglec-10, hFc Tag with the EC50 of 0.13 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275612.