

Datasheet for ABIN7275605

SIGLEC10 Protein (Arg119Ala-Mutant) (His-Avi Tag,Biotin)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	SIGLEC10
Protein Characteristics:	Arg119Ala-Mutant
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC10 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human Siglec-10 (R119A) Protein
Sequence:	Met17-Thr546
Characteristics:	Recombinant Biotinylated Human Siglec-10(R119A) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains 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 (R119A) , His Tag with the EC50 of 0.19µg/ml determined by ELISA. See testing image for detail.

Target Details

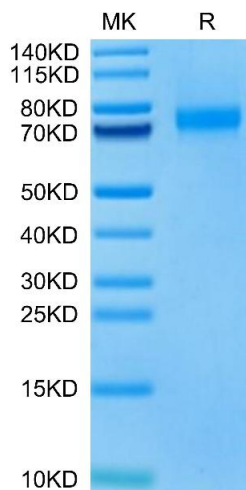
Target:	SIGLEC10
Alternative Name:	Siglec-10 (SIGLEC10 Products)
Background:	<p>Siglec-10 is a ligand for CD52, the target of the therapeutic monoclonal antibody Alemtuzumab. It is also reported to bind to Vascular adhesion protein 1 (VAP-1) and to the co-stimulatory molecule CD24 also known as HSA (Heat-stable 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.</p>
Molecular Weight:	62.64 kDa. Due to glycosylation, the protein migrates to 68-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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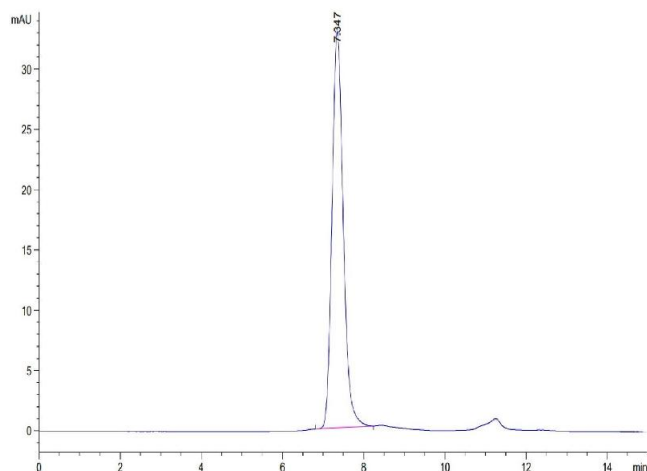
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris 150 mM NaCl, 200 mM L-arginine (pH 8.0). 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



SDS-PAGE

Image 1. Biotinylated Human Siglec-10 (R119A) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

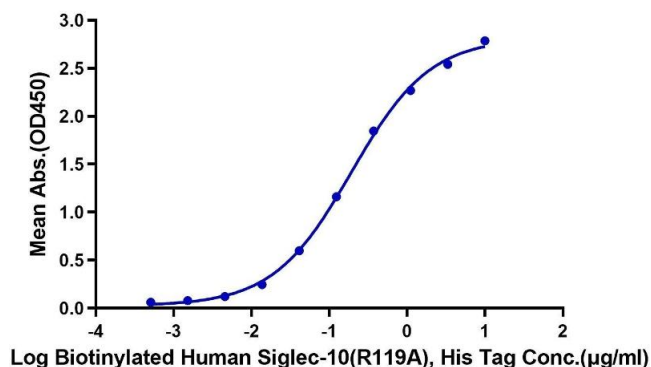


Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human Siglec-10(R119A) is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human Siglec-10(R119A), His Tag ELISA

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



ELISA

Image 3. 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(R119A), His Tag with the EC50 of 0.19 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275605.