

Datasheet for ABIN7275582

SIGLEC10 Protein (AA 17-552) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SIGLEC10
Protein Characteristics:	AA 17-552
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC10 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus Siglec-10 Protein
Sequence:	Thr17-Asn552
Characteristics:	Recombinant Cynomolgus Siglec-10 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr17-Asn552.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus Siglec-10, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Siglec-10 Antibody, hFc Tag with the EC50 of 42.0ng/ml determined by ELISA. See testing image for detail.

Target Details

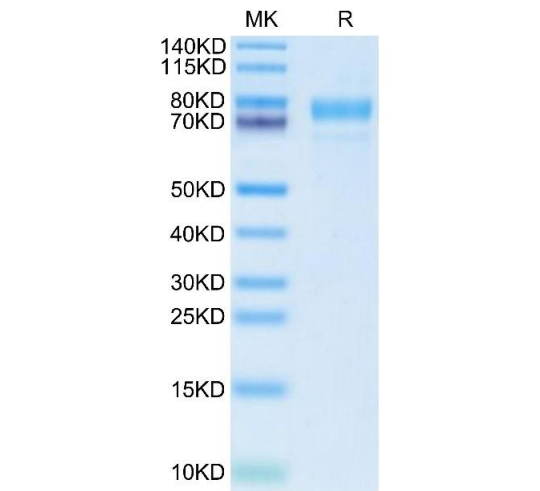
Target:	SIGLEC10
Alternative Name:	Siglec-10 (SIGLEC10 Products)
Background:	<p>Siglec-10 is a ligand for CD52, the target of the therapeutic monoclonal antibody Alemtuzumab. It is also reported to bind to Vascular adhesion protein 1 (VAP-1) and to the co-stimulatory molecule CD24 also known as HSA (Heat-stable 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:	59.90 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5WBX8

Application Details

Restrictions:	For Research Use only
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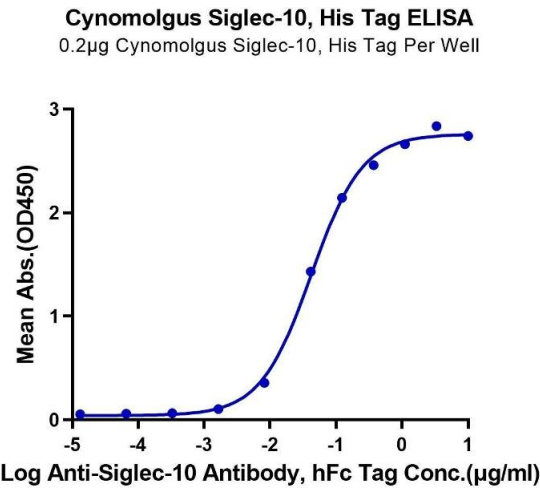
Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 25 mM MES, 150 mM NaCl, 0.5M Arginine (pH 5.0).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



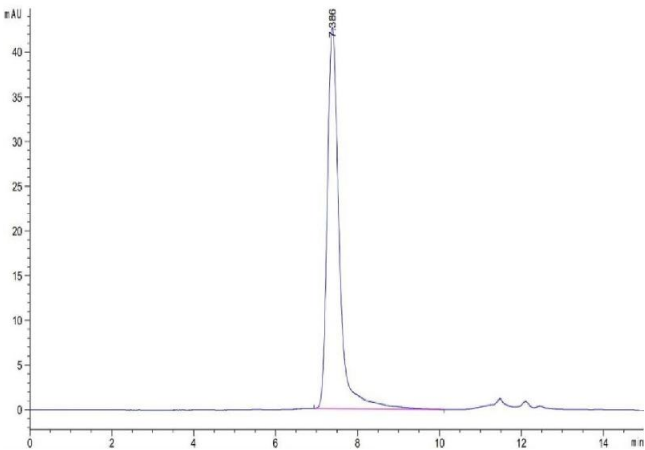
SDS-PAGE

Image 1. Cynomolgus Siglec-10 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



ELISA

Image 2. Immobilized Cynomolgus Siglec-10, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Siglec-10 Antibody, hFc Tag with the EC50 of 42.0 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus Siglec-10 is greater than 95 % as determined by SEC-HPLC.