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SIGLEC10 Protein (AA 17-546) (His tag)



Images



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Quantity:	100 μg	
Target:	SIGLEC10	
Protein Characteristics:	AA 17-546	
Origin:	Human	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	gate: This SIGLEC10 protein is labelled with His tag.	

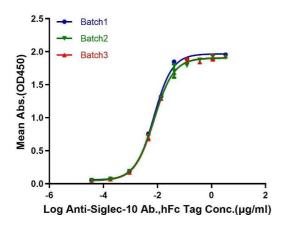
Product Details

Purpose:	Human Siglec-10 Protein	
Sequence:	Met17-Thr546	
Characteristics:	Recombinant Human Siglec-10 Protein is expressed from HEK293 with His 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 Human Siglec-10, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Anti-Siglec-10 Ab., hFc Tag with the EC50 of 7.4ng/ml determined by ELISA. The affinity constant of 15.9µM as determined in SPR assay (Biacore T200). See testing image for detail.	

Target Details

rarget Details		
Target:	SIGLEC10	
Alternative Name:	Siglec-10 (SIGLEC10 Products)	
Background:	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.	
Molecular Weight:	59.2 kDa. Due to glycosylation, the protein migrates to 70-79 kDa based on Tris-Bis PAGE resul	
Application Details		
Restrictions:	For Research Use only	
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 PB, 150 mM NaCl, 25 mM L-arginine (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	
J	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	

Human Siglec-10, His Tag ELISA 0.05μg Siglec-10, His Tag Per Well

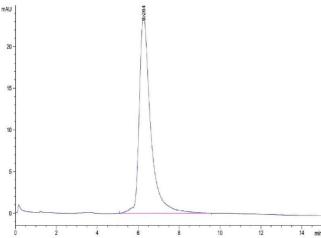


ELISA

Image 1. Immobilized Human Siglec-10, His Tag at $0.5\,\mu$ g/mL (100 μ L/Well). Dose response curve for Anti-Siglec-10 Ab., hFc Tag with the EC50 of $7.3/7.7/7.4\,\text{ng/mL}$ determined by ELISA.

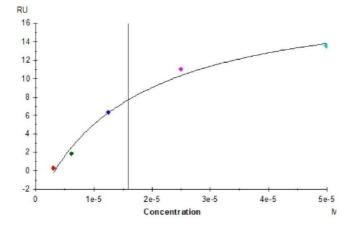
Size-exclusion chromatography-High Pressure Liquid Chromatography

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



Surface Plasmon Resonance

Image 3. Human Siglec-10, His Tag captured on CM5 Chip via Anti-His Antibody can bind Human CD52, mFc Tag with an affinity constant of $15.9\mu M$ as determined in SPR assay (Biacore T200).



Please check the product details page for more images. Overall 5 images are available for ABIN7275592.