

Recombinant Human SIGLEC10 protein, His-tagged

Cat. No. SIGLEC10-059H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Siglec-2/CD22 is expressed from mammalian with a His tag and Avi Tag at the C-terminal. It contains Asp20-Arg687.
Species	Human
Source	HEK293
ProteinLength	It contains Asp20-Arg687.
Description	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.
Form	Supplied as 0.22um filtered solution in 20mM PB, 150mM NaI, 25mM Arginine(pH 7.4).
Molecular Mass	The protein has a predicted MW of 78.1 kDa. Due to glycosylation, the protein migrates to 100- 115KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.05EU per ug by the LAL method.

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Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

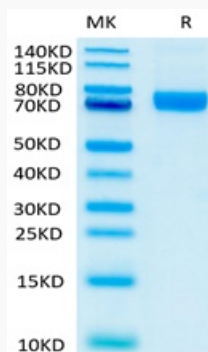
Gene Name	SIGLEC10 sialic acid binding Ig-like lectin 10 [Homo sapiens]
Official Symbol	SIGLEC10
Synonyms	siglec 10; siglec-10; siglec10; Sialic acid-binding Ig-like lectin 10; Siglec-like protein 2; SLG2
Gene ID	89790
mRNA Refseq	NM_001171156
Protein Refseq	NP_001164627
MIM	606091
UniProt ID	Q96LC7

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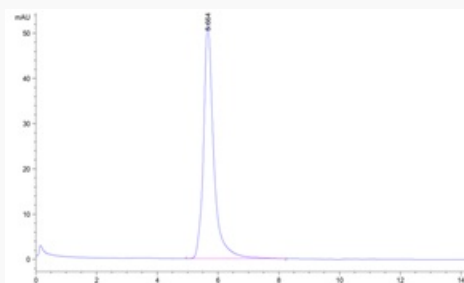
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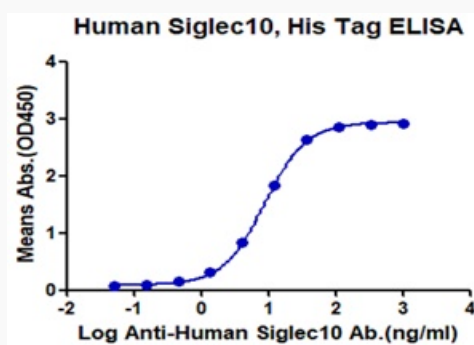
Tris-Bis PAGE



HPLC data



ELISA data



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