

Non-biotinylated Human Siglec-3/CD33 Protein



Cat. No. CD3-HM433

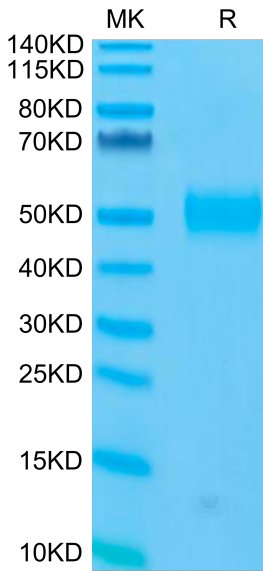
Description	
Source	Recombinant Human Siglec-3/CD33 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Asp18-His259.
Accession	P20138-1
Molecular Weight	The protein has a predicted MW of 29.6 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in 20 mM MES, 500 mM NaCl, 200 mM L-Arginine (pH 5.0). Normally 8% mannitol is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
CD33 (siglec-3), a well-known target in leukemia therapy, is an inhibitory sialoadhesin expressed in human leukocytes of the myeloid lineage and some lymphoid subsets, including NK cells. CD33 is the smallest siglec member. It preferentially binds to α2-6- and α2-3-sialylated glycans and strongly binds to sialylated ligands on leukemic cell lines.	

Assay Data

Bis-Tris PAGE



Human Siglec-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

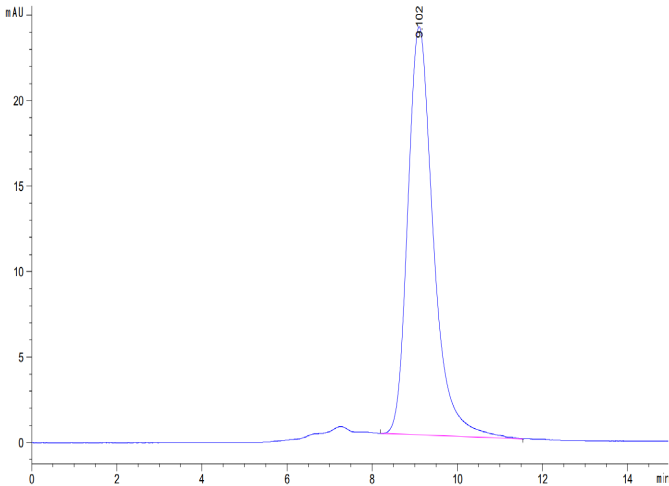
SEC-HPLC

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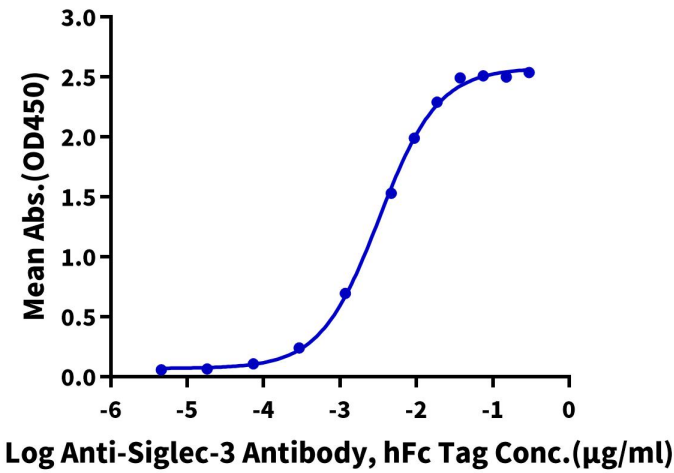


The purity of Human Siglec-3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human Siglec-3, His Tag ELISA

0.1µg Human Siglec-3, His Tag Per Well



Immobilized Human Siglec-3, His Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Anti-Siglec-3 Antibody, hFc Tag with the EC50 of 3.4 ng/ml determined by ELISA.