

FITC-Labeled Human Siglec-3/CD33 Protein



Cat. No. CD3-HM433F

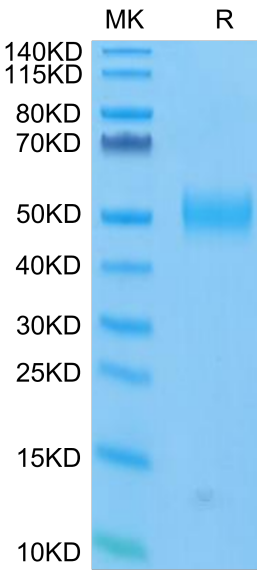
Description	
Source	Recombinant FITC-Labeled Human Siglec-3/CD33 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Asp18-His259.
Accession	P20138-1
Molecular Weight	The protein has a predicted MW of 29.6 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.
Wavelength	Excitation Wavelength: 490 nm
	Emission Wavelength: 520 nm
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in 10mM NaH2PO4, 2mM EDTA, 500mM NaCl (pH 7.4).
Storage	Valid for 6 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.

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



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