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

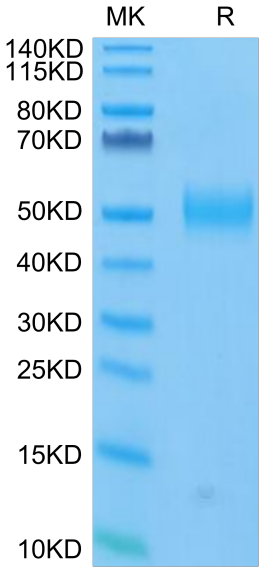
Formulation	Supplied as 0.22μm filtered solution in 10mM NaH_2PO_4, 2mM EDTA, 500mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state.They are sialoadhesin/CD169/Siglec-1, CD22/Siglec-2, CD33/Siglec-3, Myelin-Associated Glycoprotein (MAG/Siglec-4a) and Siglecs 5 to 11. To date, no Siglec has been shown to recognized any cell surface ligand other than sialic acids, suggesting that interactions with glycans containing this carbohydrate are important in mediating the biological functions of Siglecs.

Assay Data

Bis-Tris PAGE



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