

# FITC-Labeled Human Siglec-3/CD33 Protein

Cat. No. CD3-HM433F

## Description

<b>Source</b>	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.
<b>Accession</b>	P20138-1
<b>Molecular Weight</b>	The protein has a predicted MW of 29.6 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Tris-Bis PAGE result.
<b>Wavelength</b>	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

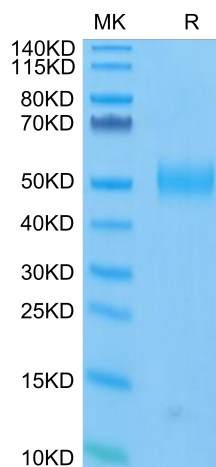
<b>Formulation</b>	Supplied as 0.22µm filtered solution in 10mM NaH <sub>2</sub> PO <sub>4</sub> , 2mM EDTA, 500mM NaCl (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize 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 recognize 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

### Tris-Bis PAGE



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