

# FITC-Labeled Human Siglec-2/CD22 Protein

Cat. No. SIG-HM222F

## Description

<b>Source</b>	Recombinant FITC-Labeled Human Siglec-2/CD22 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asp20-Arg687.
<b>Accession</b>	P20273-1
<b>Molecular Weight</b>	The protein has a predicted MW of 101.9 kDa. Due to glycosylation, the protein migrates to 130-140 kDa based on Bis-Tris PAGE result.
<b>Wavelength</b>	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

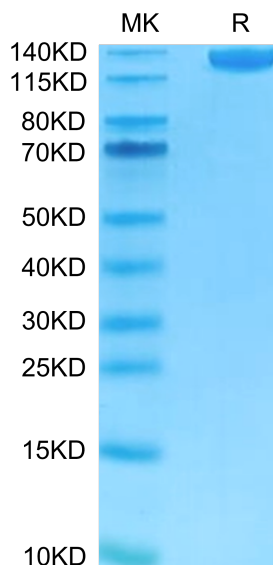
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

CD22, or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signaling. It is also involved in the B cell trafficking to Peyer's patches in mice.

## Assay Data

### Bis-Tris PAGE



FITC-Labeled Human Siglec-2/CD22 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.