

# Human Siglec-6/CD327 Protein

Cat. No. SIG-HM206

## Description

<b>Source</b>	Recombinant Human Siglec-6/CD327 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Gln27-Val331.
<b>Accession</b>	O43699-3
<b>Molecular Weight</b>	The protein has a predicted MW of 60.5 kDa. Due to glycosylation, the protein migrates to 75-105 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

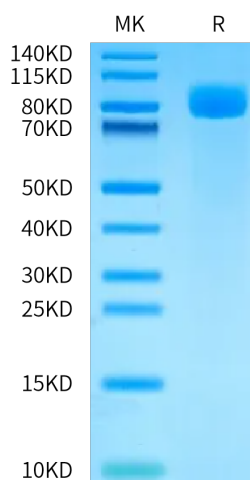
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-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

Siglecs (Sialic acid binding Ig-like Lectins) are I-type (Ig-type) lectins that belong to the Ig superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains. Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface.

## Assay Data

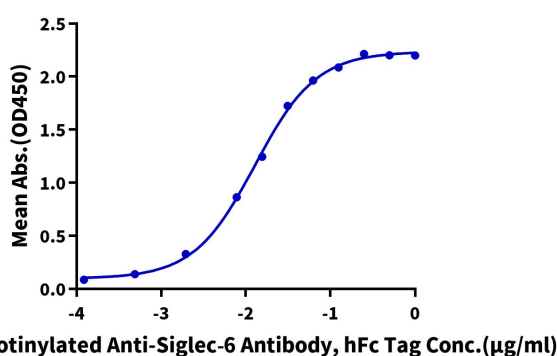
### Bis-Tris PAGE



Human Siglec-6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

**Human Siglec-6, hFc Tag ELISA**  
0.05 $\mu\text{g}$  Human Siglec-6, hFc Tag Per Well



Immobilized Human Siglec-6, hFc Tag at 0.5 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}$ /well) on the plate. Dose response curve for Biotinylated Anti-Siglec-6 Antibody, hFc Tag with the EC50 of 12.9ng/ml determined by ELISA (QC Test).