

# Human Siglec-6/CD327 Protein

Cat. No. SIG-HM406

## Description

<b>Source</b>	Recombinant Human Siglec-6/CD327 Protein is expressed from HEK293 with His tag and Avi 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 36.6 kDa. Due to glycosylation, the protein migrates to 55-70 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>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . 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

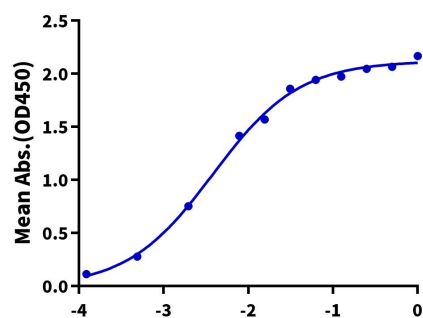


Human Siglec-6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Human Siglec-6, His Tag ELISA

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

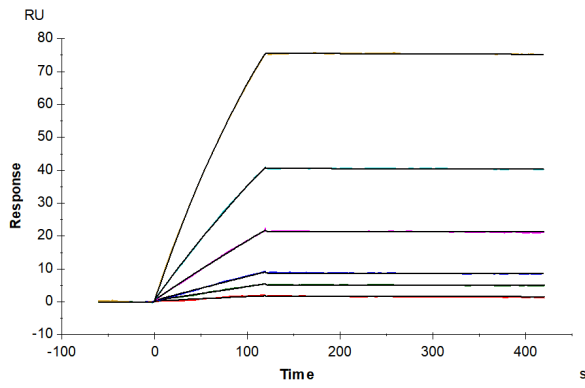


Immobilized Human Siglec-6, His Tag at 0.5  $\mu\text{g}/\text{ml}$  (100  $\mu\text{l}/\text{well}$ ) on the plate. Dose response curve for Anti-Siglec-6 Antibody, hFc Tag with the EC50 of 3.8 ng/ml determined by ELISA (QC Test).

Log Anti-Siglec-6 Antibody, hFc Tag Conc. ( $\mu\text{g}/\text{ml}$ )

Assay Data

SPR Data



Anti-Siglec-6 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Human Siglec-6, His Tag with an affinity constant of 0.16 nM as determined in SPR assay (Biacore T200).