RP01101

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Recombinant Human Siglec-2 Protein

Catalog No.: RP01101 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	933	P20273

Tags
C-6×His

Synonyms
CD22; SIGLEC-2; SIGLEC2; CD22 molecule;SIGLEC-2;SIGLEC2

Product Information

Source
Mammalian

Purification
> 95% by SDS-PAGE.

Endotoxin
< 1.0 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Siglecs (sialic acid binding Ig-like lectins) are I-type (Ig-type) lectins belonging 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. Human Siglec-2, also known as B-cell antigen CD22 or Blymphocyte cell adhesion molecule (BL-CAM), is a B-cell restricted glycoprotein that is expressed in the cytoplasm of progenitor B and pre-B cells and on the surface of mature B cells. Two distinct human Siglec2/CD22 cDNAs that arise from differential RNA processing of the same gene have been isolated. Siglec2/CD22 is an adhesion molecule that preferentially binds alpha 2,6- linked sialic acid on the same (cis) or adjacent (trans) cells. Interaction of CD22 with trans ligands on opposing cells was found to be favored over the binding of ligands in cis.

Basic Information

Description
Recombinant Human Siglec-2 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Asp20-Arg687) of human Siglec-2 (Accession #P20273) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

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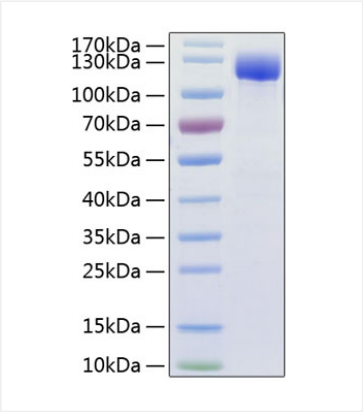
Validation Data



Recombinant Human Siglec-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-140 kDa.