Biotinylated Recombinant Human Siglec-5/CD170 Protein

Catalog No.: RP00357B

Sequence Information

Species
Human

Gene ID
8778

Swiss Prot
O15389

Tags
C-His&Avi

Synonyms
CD170; CD33 antigen-like 2; CD33L2; OBBP2; Siglec5; SIGLEC5; OB-BP2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
49.3 kDa

Observed MW
70-80 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS, 350 mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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. Siglec 5 is putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and 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.

Basic Information

Description
Biotinylated Recombinant Human Siglec-5/CD170 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu17-Thr434) of Human Siglec-5/CD170 (Accession #O15389) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

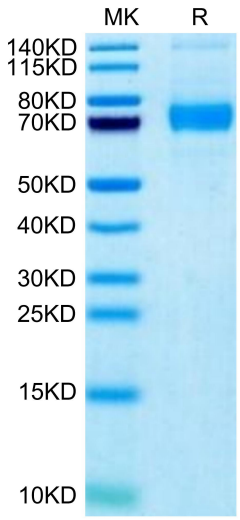
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

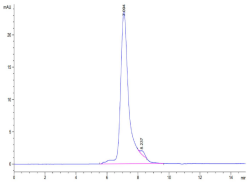
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Validation Data



Biotinylated Recombinant Human Siglec-5/CD170 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Siglec-5 is greater than 95% as determined by SEC-HPLC.

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