

RP00555

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Recombinant Human Siglec-3/CD33 Protein

Catalog No.: RP00555

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	945	P20138-1

Tags

C-His&Avi

Synonyms

CD33 molecule; CD33; FLJ00391; gp67; Siglec3; Siglec-3; p67

Product Information

Source

Please contact us for reconstitution instructions.

Purification

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

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered solution in 20 mM MES, 500 mM NaCl, 200 mM L-Arginine (pH 5.0). Normally 8% mannitol is added as protectant before lyophilization.

Reconstitution

Please contact us for reconstitution instructions.

Contact



www.abclonal.com

Background

Sialic-acid-binding immunoglobulin-like lectin (Siglec) that plays a role in mediating cell-cell interactions and in maintaining immune cells in a resting state. They are sialoadhesin/CD169/Siglec-1, CD22/Siglec-2, CD33/Siglec-3, Myelin-Associated Glycoprotein (MAG/Siglec-4a) and Siglecs 5 to 11. To date, no Siglec has been shown to recognize any cell surface ligand other than sialic acids, suggesting that interactions with glycans containing this carbohydrate are important in mediating the biological functions of Siglecs.

Basic Information

Description

Recombinant Human Siglec-3/CD33 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp18-His259) of Human Siglec-3/CD33 (Accession #P20138-1) fused with a C-His&Avi tag at the C-terminus.

Bio-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.

Operational Notes

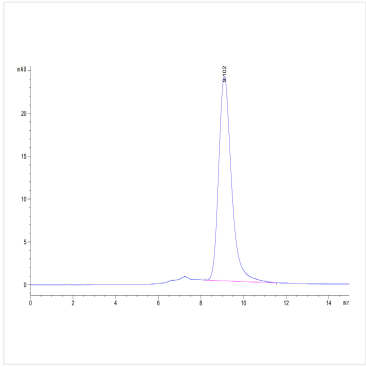
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

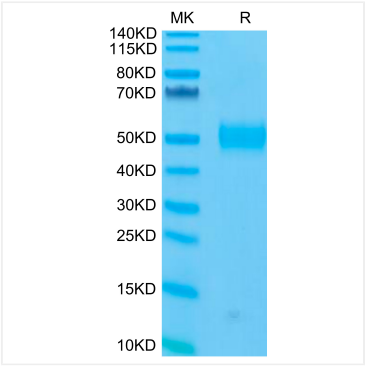
Store at -20°C
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

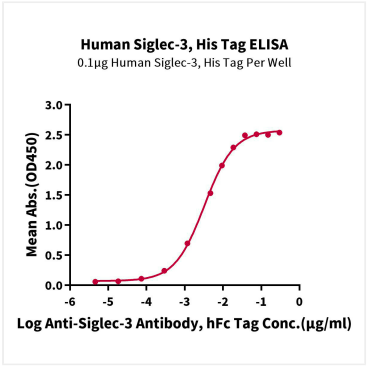
Validation Data



The purity of Human Siglec-3 is greater than 95% as determined by SEC-HPLC.



Recombinant Human Siglec-3/CD33 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human Siglec-3, His Tag at 1 μg/mL (100 μL/Well) on the plate. Dose response curve for Anti-Siglec-3 Antibody, hFc Tag with the EC₅₀ of 3.4 ng/mL determined by ELISA.