

Biotinylated Recombinant Human Siglec-2/CD22 Protein

Catalog No.: RP00578B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	933	P20273-1

Tags

C-His&Avi

Synonyms

CD22 molecule; CD22; Siglec-2; B-cell receptor CD22; BL-CAM; SIGLEC2; SIGLEC2FLJ22814

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

Calculated MW **Observed MW**

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

CD22, or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signaling. It is also involved in the B cell trafficking to Peyer's patches in mice.

Basic Information

Description

Biotinylated Recombinant Human Siglec-2/CD22 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp20-Arg687) of Human Siglec-2/CD22 (Accession #P20273-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

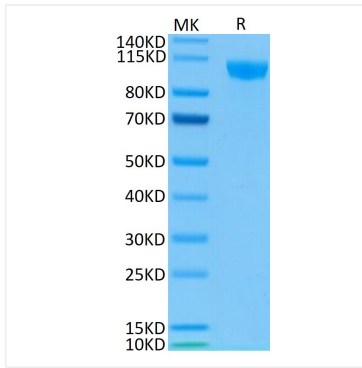
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

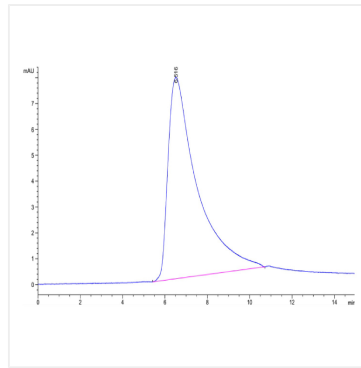
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

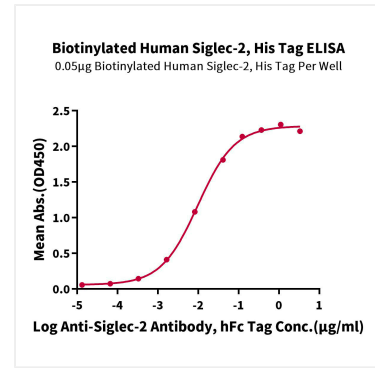
Validation Data



Biotinylated Human Siglec-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%..



The purity of Biotinylated Human Siglec-2 is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human Siglec-2, His Tag at 0.5 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Anti-Siglec-2 Antibody, hFc Tag with the EC₅₀ of 9.8ng/mL determined by ELISA.