

Biotinylated Recombinant Human Siglec-5/CD170 Protein (Primary Amine Labeling)

Catalog No.: RP00358B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8778	O15389

Tags

C-hFc

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE

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 freeze-thaw cycles.

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Background

Group B Streptococcus (GBS) causes invasive infections in human newborns. The GBS β-protein attenuates innate immune responses by binding to sialic acid-binding immunoglobulin-like lectin 5 (Siglec-5), an inhibitory receptor on phagocytes. The polymorphism could influence the risk of prematurity among human fetuses of mothers colonized with GBS. This first functionally proven example of a paired receptor system in the Siglec family has multiple implications for regulation of host immunity.

Basic Information

Description

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

Bio-Activity

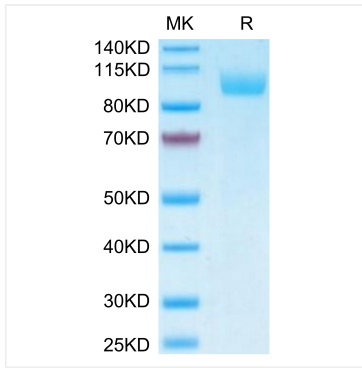
Storage

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-5 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.