Recombinant Mouse Siglec-10 Protein

Catalog No.: RP03262

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Sequence Information

Species
Mouse

Gene ID
243958

Swiss Prot
Q80ZE3

Tags
C-hFc

Synonyms
SIGLEC10; SiglecG; Siglec-G; MGC126774; PRO940; Siglec10; SLG2; sialic acid-binding Ig-like lectin 10; Siglec-10; siglec-like gene 2; Siglec-like protein 2; SLG2sialic acid binding Ig-like lectin 10 Ig-like lectin 7

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
85.6 kDa

Observed MW
110-135 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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) belong to the immunoglobulin superfamily. Siglec-G is the apparent ortholog of human Siglec-10. It is expressed by mature B cells, but significant levels of transcript were also detected in DC, myeloid cells, and to a lesser extent, T cells. Mature Siglec-G consists of a 526 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 124 aa cytoplasmic domain. Siglec-G is a member of the CD33-related Siglec family in the mouse, and is involved in negative regulation of B-cell antigen receptor signaling and specifically acts on B1 cells to inhibit Ca2+ signaling, cellular expansion and antibody secretion.

Basic Information

Description
Recombinant Mouse Siglec-10 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Met19-Lys543) of mouse Siglec-10 (Accession #Q80ZE3) fused with hFc 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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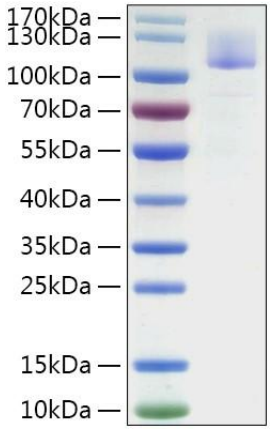
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Mouse Siglec-10 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.