

Recombinant Mouse Siglec-10 Protein

Catalog No.: RP03262 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	243958	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	Purification
Mammalian expression system	> 95% by SDS- PAGE.

Endotoxin

< 1.0 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
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

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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.

Bio-Activity

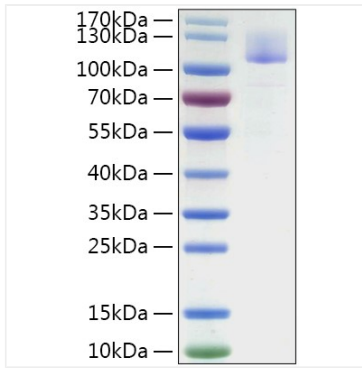
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.

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



Recombinant Mouse Siglec-10 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-135 kDa.