Mouse Siglec-5/CD170 Protein

Cat. No. SIG-MM105

Description

Source	Recombinant Mouse Siglec-5/CD170 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Thr17-Leu439.
Accession	Q920G3
Molecular Weight	The protein has a predicted MW of 46.8 kDa. Due to glycosylation, the protein migrates to 65-68 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

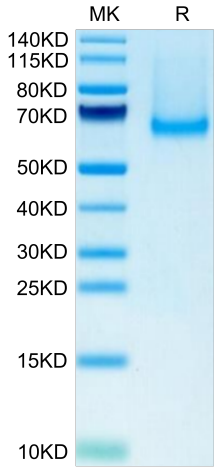
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interactions between endothelial selectins and the leukocyte counter-receptor PSGL1 mediates leukocyte recruitment to inflammation sites. PSGL1 is highly sialylated, making it a potential ligand for Siglec-5, a leukocyte-receptor that recognizes sialic acid structures. Binding assays using soluble Siglec-5 variants (sSiglec-5/C4BP and sSiglec-5/Fc) revealed a dose- and calcium-dependent binding to PSGL1.

Assay Data

Tris-Bis PAGE



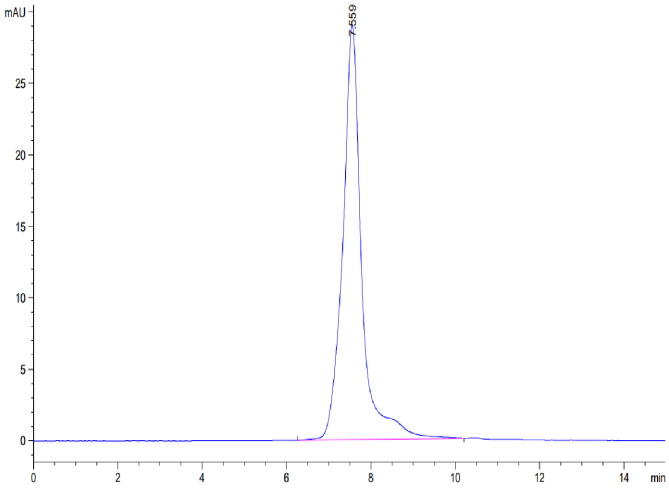
Mouse Siglec-5/CD170 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse Siglec-5/CD170 Protein

Cat. No. SIG-MM105

Assay Data



The purity of Mouse Siglec-5/CD170 is greater than 95% as determined by SEC-HPLC.