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Datasheet for ABIN7275613

SIGLEC5 Protein (AA 17-439) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	SIGLEC5
Protein Characteristics:	AA 17-439
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC5 protein is labelled with His tag.

Product Details

Purpose:	Mouse Siglec-5/CD170 Protein
Sequence:	Thr17-Leu439
Characteristics:	Recombinant Mouse Siglec-5/CD170 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr17-Leu439.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	SIGLEC5
Alternative Name:	Siglec-5 (SIGLEC5 Products)

Target Details

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.

Molecular Weight: 46.8 kDa. Due to glycosylation, the protein migrates to 65-68 kDa based on Tris-Bis PAGE result.

UniProt: [Q920G3](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

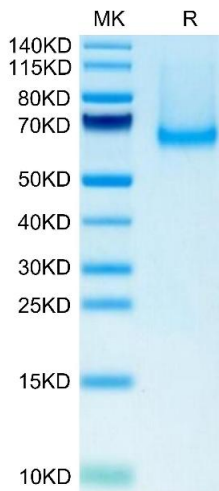
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

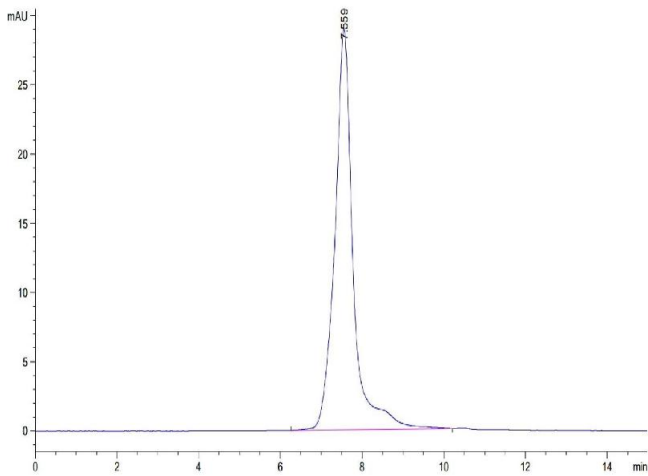
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse Siglec-5/CD170 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse Siglec-5/CD170 is greater than 95 % as determined by SEC-HPLC.