

Biotinylated Human Siglec-9 Protein

Cat. No. SIG-HM419B

Description

Source	Recombinant Biotinylated Human Siglec-9 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln18-Gly348.
Accession	Q9Y336-1
Molecular Weight	The protein has a predicted MW of 38.9 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

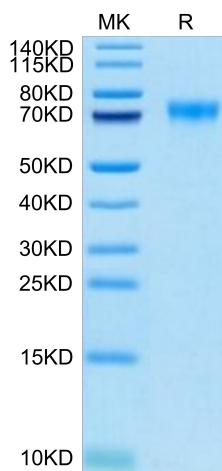
Formulation	Lyophilized from 0.22µm filtered solution in 25mM MES, 150mM NaCl (pH 5.5). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 25mM MES, 150 mM NaCl (pH 5.5).
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Siglec-9 is a sialic-acid-binding lectin expressed predominantly on myeloid cells. Aberrant glycosylation occurs in essentially all types of cancers and results in increased sialylation. Thus, when the mucin MUC1 is expressed on cancer cells, it is decorated by multiple short, sialylated O-linked glycans (MUC1-ST).

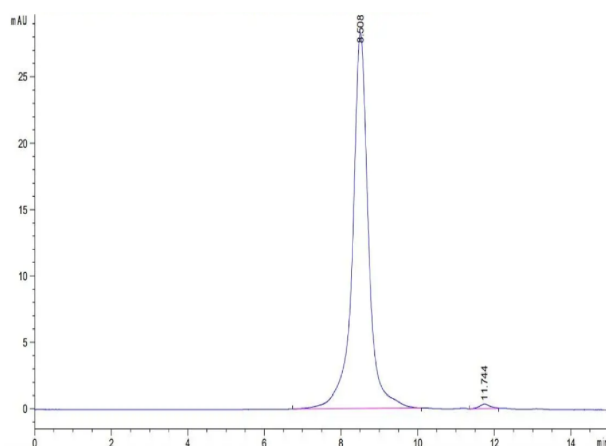
Assay Data

Bis-Tris PAGE



Biotinylated Human Siglec-9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human Siglec-9 is greater than 90% as determined by SEC-HPLC.