

Human Siglec-4a/MAG Protein

Cat. No. MAG-HM101

Description

Source	Recombinant Human Siglec-4a/MAG Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly20-Pro516.
Accession	P20916
Molecular Weight	The protein has a predicted MW of 55.8 kDa. Due to glycosylation, the protein migrates to 75-82 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

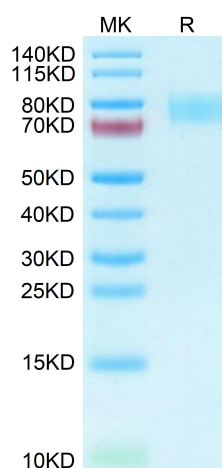
Formulation	Supplied as 0.22 μm filtered solution in PBS, 100mM L-arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Siglec-4a, also known as Myelin-Associated Glycoprotein (MAG), is a type I transmembrane glycoprotein belonging to the Siglec family, a subgroup of the Ig superfamily. Adhesion molecule that mediates interactions between myelinating cells and neurons by binding to neuronal sialic acid-containing gangliosides and to the glycoproteins RTN4R and RTN4RL2.

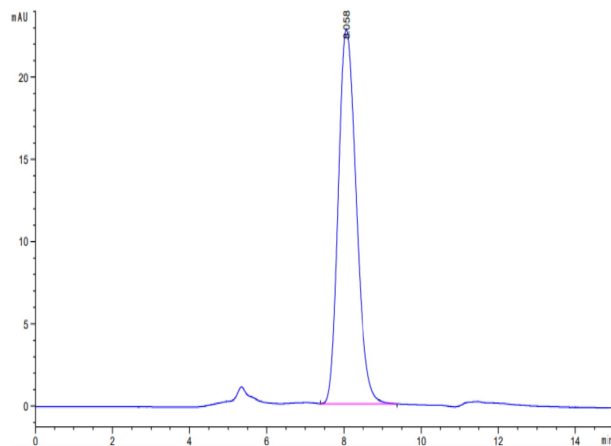
Assay Data

Bis-Tris PAGE



Human Siglec-4a on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



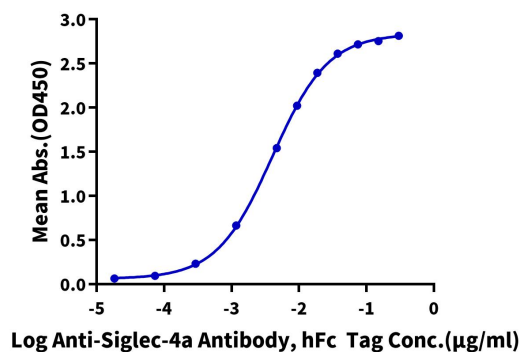
The purity of Human Siglec-4a is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human Siglec-4a, His Tag ELISA

0.1 μ g Human Siglec-4a, His Tag Per Well



Immobilized Human Siglec-4a, His Tag at 1 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-Siglec-4a Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA.