

Biotinylated Human Siglec-4a/MAG Protein

Cat. No. SIG-HM44AB

Description

Source	Recombinant Biotinylated Human Siglec-4a/MAG Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly20-Pro516.
Accession	P20916
Molecular Weight	The protein has a predicted MW of 57.6 kDa. Due to glycosylation, the protein migrates to 78-85 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 > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS (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 (By similarity).

Assay Data

Bis-Tris PAGE



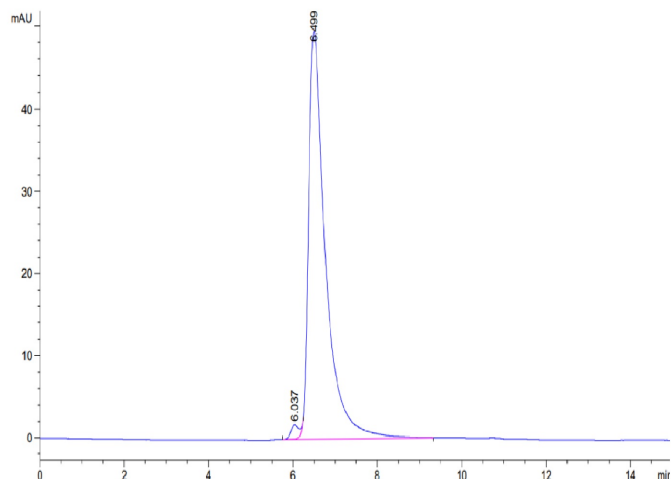
Biotinylated Human Siglec-4a on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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Assay Data

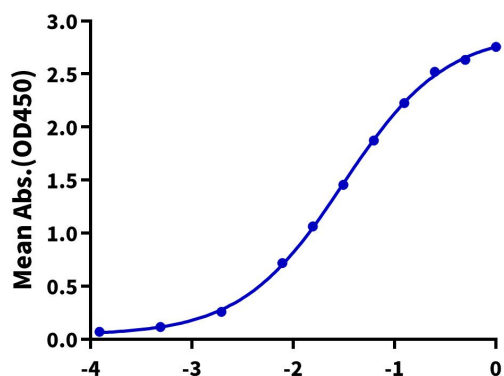


The purity of Biotinylated Human Siglec-4a is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human Siglec-4a, His Tag ELISA

0.2µg Anti-Siglec-4a Antibody, hFc Tag Per Well



Immobilized Anti-Siglec-4a Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Siglec-4a, His Tag with the EC50 of 31.1ng/ml determined by ELISA.

Log Biotinylated Human Siglec-4a, His Tag Conc.(µg/ml)