Mouse Siglec-4a/MAG Protein

Cat. No. MAG-MM101

Description

Source	Recombinant Mouse Siglec-4a/MAG Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly20-Pro516.
Accession	P20917-1
Molecular Weight	The protein has a predicted MW of 56 kDa. Due to glycosylation, the protein migrates to 70-85 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

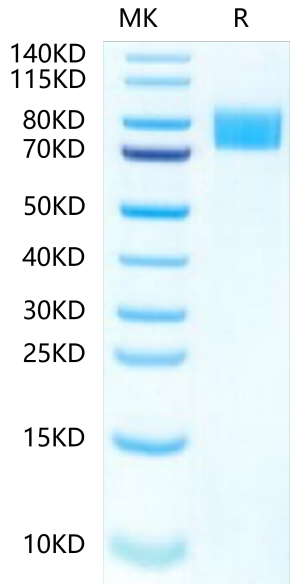
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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-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



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

SEC-HPLC

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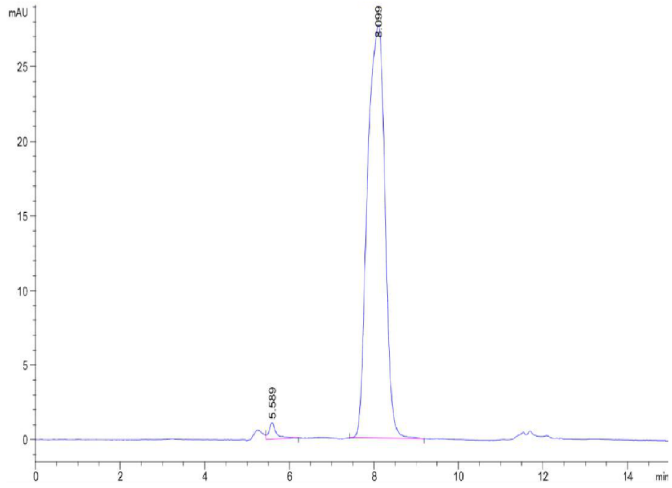
Assay Data



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