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MAG Protein (AA 20-516) (His tag)

Images



Overview

Quantity:	100 μg
Target:	MAG
Protein Characteristics:	AA 20-516
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAG protein is labelled with His tag.

Product Details

Purpose:	Mouse Siglec-4a/MAG Protein
Sequence:	Gly20-Pro516
Characteristics:	Recombinant Mouse Siglec-4a/MAG Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gly20-Pro516.
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

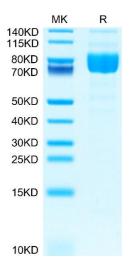
Target:	MAG
Alternative Name:	Siglec-4a (MAG Products)

Target Details

Expiry Date:

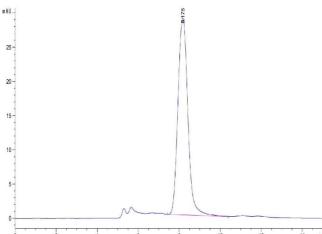
12 months

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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.
Molecular Weight:	56 kDa. Due to glycosylation, the protein migrates to 70-85 kDa based on Tris-Bis PAGE result.
Pathways:	Neurotrophin Signaling Pathway
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/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.
F : D :	



SDS-PAGE

 $\label{eq:mage 1.} \mbox{Mouse Siglec-4a/MAG on Tris-Bis PAGE under} \\ \mbox{reduced condition. The purity is greater than 95 \%} \, .$



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse Siglec-4a/MAG is greater than 95 % as determined by SEC-HPLC.