

Datasheet for ABIN7275275

MOG Protein (AA 30-154) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	MOG
Protein Characteristics:	AA 30-154
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOG protein is labelled with His tag.

Product Details

Purpose:	Human MOG/Myelin Oligodendrocyte Glycoprotein Protein
Sequence:	Gly30-Gly154
Characteristics:	Recombinant Human MOG/Myelin Oligodendrocyte Glycoprotein Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly30-Gly154.
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:	MOG
Alternative Name:	MOG (MOG Products)

Target Details

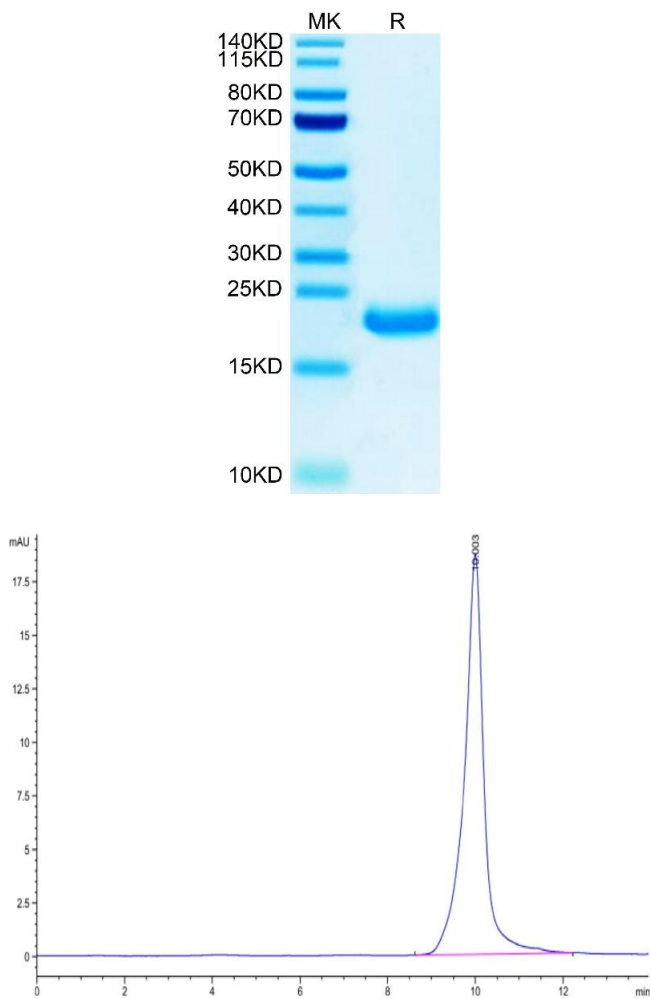
Background:	Myelin oligodendrocyte glycoprotein (MOG) antibody disease is a rare autoimmune disorder with antibodies against the MOG predominantly involving the optic nerve and spinal cord leading to vision loss and paralysis. When MOG antibody disease involves the brain, the phenotype is similar to acute disseminated encephalomyelitis (ADEM).
Molecular Weight:	15.4 kDa. Due to glycosylation, the protein migrates to 20-23 kDa based on Tris-Bis PAGE result.
UniProt:	Q16653

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human MOG/Myelin Oligodendrocyte Glycoprotein on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human MOG/Myelin Oligodendrocyte Glycoprotein is greater than 95 % as determined by SEC-HPLC.