

Human MOG/Myelin Oligodendrocyte Glycoprotein Protein



Cat. No. MOG-HM101

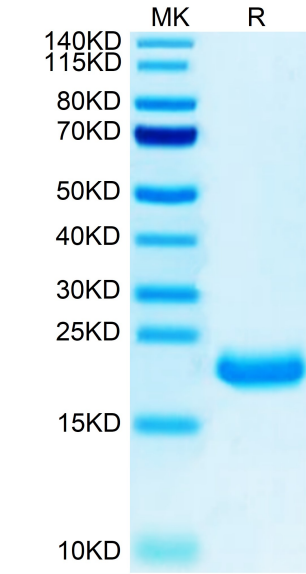
Description	
Source	Recombinant Human MOG/Myelin Oligodendrocyte Glycoprotein Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly30-Gly154.
Accession	Q16653
Molecular Weight	The protein has a predicted MW of 15.4 kDa. Due to glycosylation, the protein migrates to 20-23 kDa 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	
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).	

Assay Data

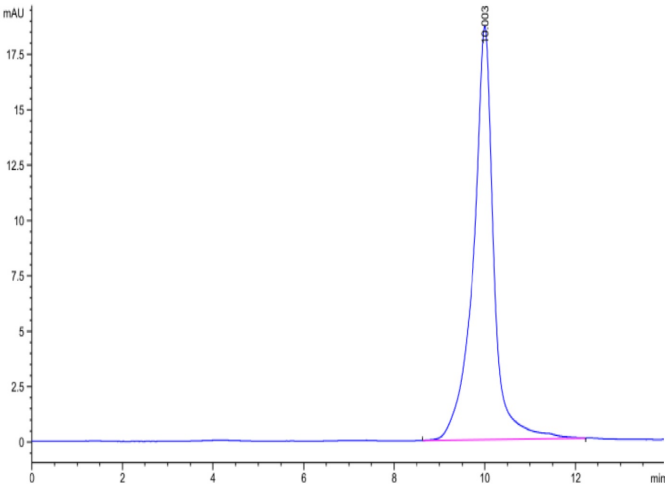
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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