

Human MOG/Myelin Oligodendrocyte Glycoprotein Protein

Cat. No. MOG-HM101

Description

Source	Recombinant Human MOG/Myelin Oligodendrocyte Glycoprotein Protein is expressed from Expi293 with His tag at the C-terminal. 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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

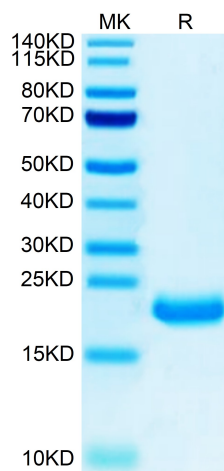
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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).

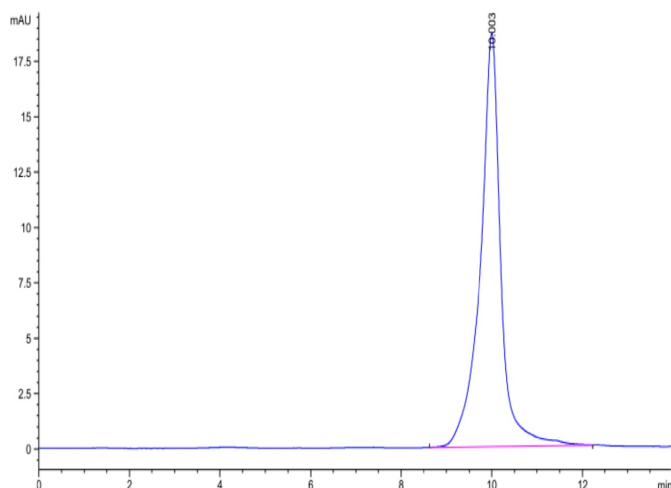
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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