Rev03
Update: Aug,08,2025

DATASHEET

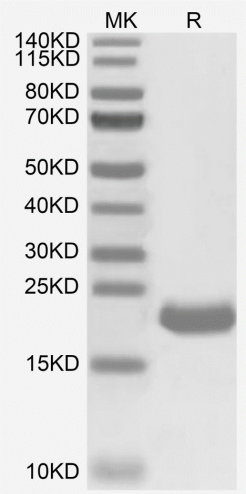
MOG/Myelin Oligodendrocyte Glyco, His, Human

Cat. No.: Z05657

Product Introduction

Species	Human
Protein Construction	MOG/Myelin Oligodendrocyte Glycoprotein (Gly30-Gly154)_x000D_ Accession # Q16653 — His N-term — C-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	15.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 20-23 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



MOG/Myelin Oligodendrocyte Glyco, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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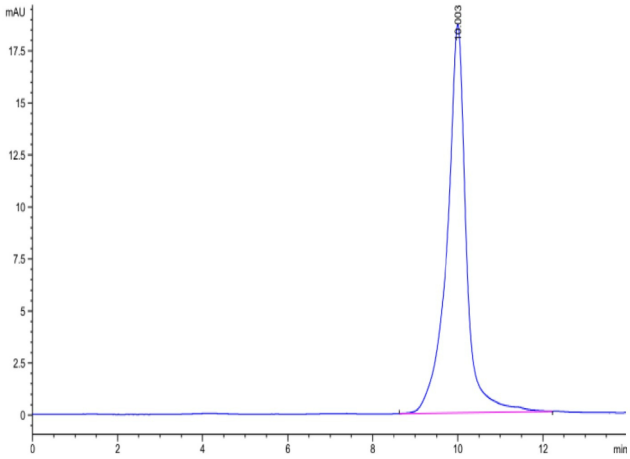

The purity of MOG/Myelin Oligodendrocyte Glyco, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target 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).

Synonyms : MOG; MGC26137; MOG Ig-AluB; MOGIG2; BTN6; BTNL11; NRCLP7

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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