

Recombinant Human MOG protein (rFc Tag)

Catalog Number: Eg2878

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human MOG protein Gly30-Gly154 (Accession# Q16653-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

4340

Accession:

Q16653-1

Predicted Molecular Mass:

40.3 kDa

SDS-PAGE:

40-50 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Myelin oligodendrocyte glycoprotein (MOG), which is exclusively expressed in oligodendrocytes, is a component of the outer surface of myelin in the central nervous system (CNS). Although a quantitatively minor component, MOG has strong antigenicity. In fact, MOG was initially identified as an immunodominant target for demyelinating autoantibodies in a guinea pig model of experimental autoimmune encephalomyelitis (EAE).

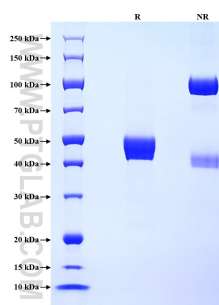
References

1. Peschl P. et al. (2017) Front. Immunol. 8:529.
2. Litzenburger T. et al. (1998) J. Exp. Med. 188:169-180.
3. Pollinger B. et al. (2009) J. Exp. Med. 206:1303-1316.

Synonyms

MOG, MOGIG 2, Myelin-oligodendrocyte glycoprotein

Selected Validation Data



Purity of Recombinant Human MOG was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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