



# SZABO SCANDIC

Part of Europa Biosite

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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- Gefahrgutzuschlag
- Expressversand

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## Myelin Oligodendrocyte Glycoprotein (MOG)

CLPRO371  
CLPRO371-2  
Lot: 107MOG01

**Description:** MOG peptide (35-55) is highly encephalitogenic and can induce strong T and B cell responses. A single injection of this peptide produces a relapsing-remitting neurologic disease with extensive plaque-like demyelination. Because of the clinical, histopathologic, and immunologic similarities with multiple sclerosis (MS), the MOG induced demyelinating encephalomyelitis may serve as a model for investigating MS. MOG is a single, non-glycosylated polypeptide chain containing 21 amino acids and having a molecular mass of 2582 Dalton.

**Presentation:** 5mg (CLPRO371) or 20mg (CLPRO371-2) was lyophilized from a sterile filtered solution with no additives.

**Reconstitution:** It is recommended to reconstitute the lyophilized MOG in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:** Lyophilized MOG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MOG should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please prevent freeze-thaw cycles.**

**Purity:**

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Anion-exchange FPLC.
- (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

**Amino Acid Composition:** H-Met-Glu-Val-Gly-Trp-Tyr-Arg-Ser-Pro-Phe-Ser-Arg-Val-Val-His-Leu-Tyr-Arg-Asn-Gly-Lys-OH

**Dimers and aggregates:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

Continued Overleaf

For more information or to place an order please contact...

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website: [www.cedarlanelabs.com](http://www.cedarlanelabs.com) • e-mail: [info@cedarlanelabs.com](mailto:info@cedarlanelabs.com)

**Protein content:**

Protein quantitation was carried out by two independent methods:

1. UV spectroscopy at 280 nm
2. Analysis by RP-HPLC, using a calibrated solution of MOG as a Reference Standard.