

MOG

Synthetic Myelin Oligodendrocyte Glycoprotein Peptide

Catalog No.	CRM131A	Quantity:	5 mg
	CRM131B		25 mg
	CRM131C		100 mg

Description:	Synthetic MOG peptide is a single, non-glycosylated polypeptide chain containing 21 amino acids corresponding to residues 35-55 of full length Myelin Oligodendrocyte Glycoprotein. It 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.
Molecular Weight:	2.582 kDa
Formulation:	Lyophilized from a sterile filtered solution without additives
Purity:	> 98% as determined by RP-HPLC, anion-exchange FPLC, and reducing and non-reducing SDS-PAGE analyses
Endotoxin Level:	< 0.1 ng/μg of MOG
Amino Acid Sequence:	H-Met-Glu-Val-Gly-Trp-Tyr-Arg-Ser-Pro-Phe-Ser-Arg-Val-Val-His-Leu-Tyr-Arg-Asn-Gly-Lys-OH
Reconstitution:	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 μg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.
Storage & Stability:	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

