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AR10743PU-L OriGene FI

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MOG - Purified

Catalog No.:	AR10743PU-L
Quantity:	0.1 g
Background:	 MOG is a transmembrane protein expressed on the surface of oligodendrocyte cell and on the outermost surface of myelin sheaths. MOG comprises about 0.1% of total CNS myelin protein. The MOG gene is a member of the immunoglobulin gene superfamily and is found within the MHC. The MOG gene is found on chromosome 6p21.3-p22. Myelin Oligodendrocyte Glycoprotein is a glycoprotein thought to be significant in the process of myelinization of nerves in the central nervous system (CNS). 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, histophathologic, and immunologic similarities with multiple sclerosis (MS), the MOG induced demyelinating encephalomyelitis may serve as a model for investigating MS.
Source:	Synthetic
Format:	State: Sterile Filtered White lyophilized (freeze-dried) powder with no additives Purity: > 98.0% as determined by both RP-HPLC and SDS-PAGE analysis Reconstitution: Restore in sterile $18M\Omega$ -cm ⁻¹ H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions
Description:	Myelin Oligodendrocyte Glycoprotein is a single, non-glycosylated polypeptide chain containing 21 amino acids. 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. Molecular weight: 2582 Da
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



MS/20120903