
MOG [35-55] Peptide (Rat)

Subcategory: Synthetic Peptide

Cat. No.: 350275

Unit: 1 mg

Description:

Myelin-oligodendrocyte glycoprotein (MOG) is a minor component of the myelin sheath. MOG is also a CNS-specific autoantigen for primary demyelination in multiple sclerosis. The developmentally late expression of MOG correlates with the later stages of myelogenesis, suggesting that MOG has a role in the completion, compaction and maintenance of myelin. MOG has many isoforms that can form homo- and heterodimers. It has been shown that the MOG [35-55] peptide induced anti-MOG (35-55) autoantibody production in C57BL/6 mice with 100% incidence (10/10), providing quantitative support for the suitability of the MOG peptide for in vivo anti-MOG (35-55) autoantibody study.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Myelin-oligodendrocyte glycoprotein; Mog; MOG (35-55)

Accession No.: Q63345

MW: 2582 g/mol

Sequence: Rat: H-Met-Glu-Val-Gly-Trp-Tyr-Arg-Ser-Pro-Phe-Ser-Arg-Val-Val-His-Leu-Tyr-Arg-Asn-Gly-Lys-OH or H-MEVGWYRSPFSRVVHLYRNGK-OH

Composition: C₁₁₈H₁₇₇N₃₅O₂₉S₁

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.