

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MOG in direct ELISAs and Western blots. In direct ELISAs, less than 40% cross-reactivity with recombinant human MOG is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MOG Gly29-Gly153 Accession # Q61885
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

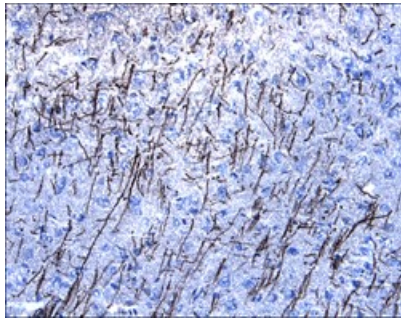
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse MOG
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



MOG in Mouse Brain. MOG was detected in perfusion fixed frozen sections of mouse brain (cortex) using 15 µg/mL Goat Anti-Mouse MOG Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2439) overnight at 4 °C. Tissue was stained with the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Mouse MOG is an integral membrane protein belonging to the immunoglobulin superfamily. It is found exclusively on myelinating oligodendrocytes in the central nervous system. The amino-terminal extracellular domain of mouse MOG shares 97% and 92% amino acid sequence identity with the corresponding regions of rat and human MOG, respectively.