

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects mouse MOG in direct ELISAs. In direct ELISAs, 100% cross-reactivity with recombinant human MOG is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 296829
Purification	Protein A or G purified from hybridoma culture supernatant
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 BSA as a carrier protein. See Certificate of Analysis for details.

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
Immunohistochemistry	8-25 µg/mL	Perfusion fixed frozen sections of mouse brain (hippocampus)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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

MOG is an Ig superfamily member found exclusively in myelinating oligodendrocytes in the central nervous system. Multiple isoforms of human MOG exist.