Anti-Human MOG Antibody [K94024_9F4]

Catalog No. K94024M09F04C

Overview

Product name Anti-Human MOG Antibody [K94024_9F4]
Antibody specificity Myelin oligodendrocyte glycoprotein
Species reactivity Human
Clonality Monoclonal
Clone number K94024_9F4
Host / isotype Mouse / IgG1
Immunogen Recombinant human MOG
Cross reactivity Not tested
Kinetic characterization by BLI (biolayer interferometry) Not tested
Purification Protein A purified from cell culture supernatants
Form Liquid
Concentration 1 mg/mL in phosphate buffered saline containing 0.09% preservative
Conjugation Unconjugated

Shipping, storage and shelf life
Shipping at ambient temperature. Avoid repeated freeze-thaw cycles.
Upon receipt,
* 3 months when stored at 2 to 8 °C
* 1 year when aliquoted and stored at -20 °C
* 3 years when aliquoted and stored at -80 °C

Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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<tr>
<td>Immunohistochemistry-paraffin (IHC-P)</td>
<td>7.5 µg/mL</td>
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Note:
* The applications above have already been verified. The antibody may be suitable for additional applications.
* Optimal antibody concentrations for each application should be determined by the user.

Additional information

Target antigen
Protein name: Myelin oligodendrocyte glycoprotein
Gene name: MOG
UniProt Accession: Q16653
Organism: Homo sapiens (Human)

Paired antibody information
K94024_9F4 may pair with K94024_3A5 for sandwich based immune assays.
Immunohistochemistry
IHC-P analysis of human brain tissue by anti-human MOG antibody (K94024_9F4).
IHC-P was performed using sections of the formalin-fixed paraffin-embedded human brain tissue. Antigen was retrieved through addition of boiling Tris/EDTA buffer pH 9 in a pressure cooker for 3 min. Endogenous peroxidase activity was quenched by incubating the sections with 3% H₂O₂ for 30 min at room temperature. The sections were then incubated with anti-human MOG primary antibody (K94024_9F4) at 7.5 µg/mL at room temperature for 1 h. Poly-peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. Diaminobenzidine was used as the chromogen. The section was counterstained with hematoxylin. A tissue section incubated with phosphate-buffered saline followed by incubation with the secondary antibody was used as the background control.
Result: Neuropil are positively stained.