BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Myelin oligodendrocyte glycoprotein Monoclonal Antibody

Catalog Number: M03294

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Overview

Product Name	Anti-Myelin oligodendrocyte glycoprotein Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Myelin oligodendrocyte glycoprotein Monoclonal Antibody catalog # M03294. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal ACID-13
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q16653

Technical Details

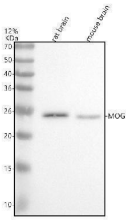
Immunogen	A synthesized peptide derived from human Myelin oligodendrocyte glycoprotein Mediates homophilic cell-cell adhesion (By similarity) . Minor component of the myelin sheath. May be involved in completion and/or maintenance of the myelin sheath and in cell-cell communication.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography

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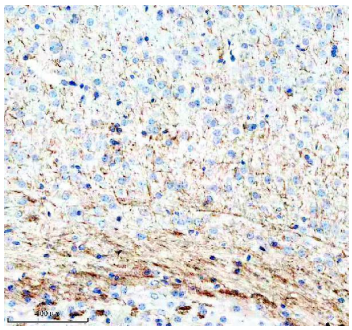
Suggested Dilutions	WB, 1:500-2000 IHC, 1:50-200 ICC/IF, 1:50-200

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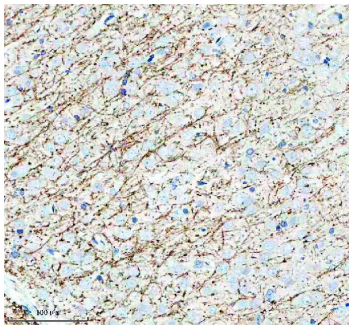
Anti-Myelin oligodendrocyte glycoprotein Monoclonal Antibody (M03294) Images



Western blot analysis of MOG using anti-MOG antibody (M03294). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MOG antigen affinity purified monoclonal antibody (M03294) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for MOG at approximately 25 kDa. The expected band size for MOG is at 28 kDa.



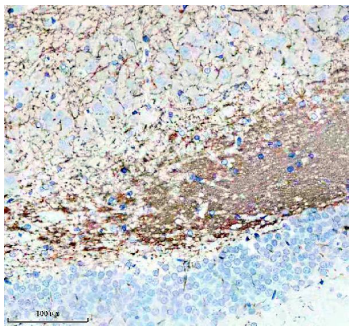
IHC analysis of MOG using anti-MOG antibody (M03294). MOG was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-MOG Antibody (M03294) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of MOG using anti-MOG antibody (M03294). MOG was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-MOG Antibody (M03294) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IHC analysis of MOG using anti-MOG antibody (M03294). MOG was detected in a paraffin-embedded section of rat hippocampus tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:100 rabbit anti-MOG Antibody (M03294) overnight at 4°C.

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For Research Use Only. Not for use in diagnostic procedures.