

Product Datasheet

MBP Antibody (2H9) - BSA Free NBP2-22121

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 2 Publications: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-22121

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-22121



NBP2-22121

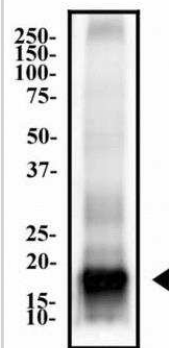
MBP Antibody (2H9) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2H9
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	33 kDa
Product Description	
Description	Novus Biologicals Mouse MBP Antibody (2H9) - BSA Free (NBP2-22121) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-MBP Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4155
Gene Symbol	MBP
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported by customer review.
Marker	Oligodendrocyte Marker, Myelin Marker
Immunogen	Purified recombinant fragment of human Myelin Basic Protein expressed in E. coli. [UniProt# P02686]
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, Immunohistochemistry-Frozen reported by customer review

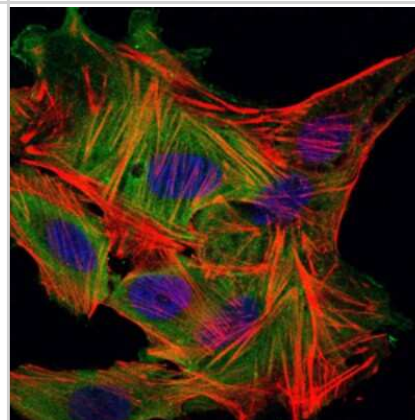


Images

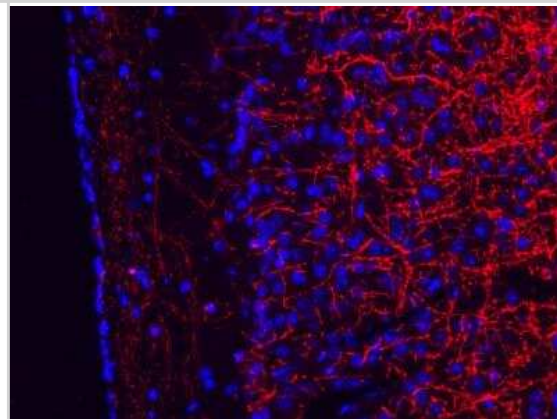
Western Blot: MBP Antibody (2H9) [NBP2-22121] - Total human brain lysate was separated by SDS-PAGE on a 12% gel and transferred to PVDF membrane. The membrane was then probed with anti-MBP antibody at 2 ug/mL and detected using an anti-mouse HRP labeled secondary antibody and chemiluminescent substrate.



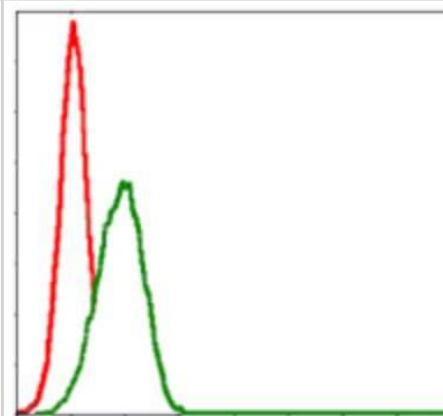
Immunocytochemistry/Immunofluorescence: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Immunofluorescence analysis of MSCS cells using Myelin Basic Protein mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



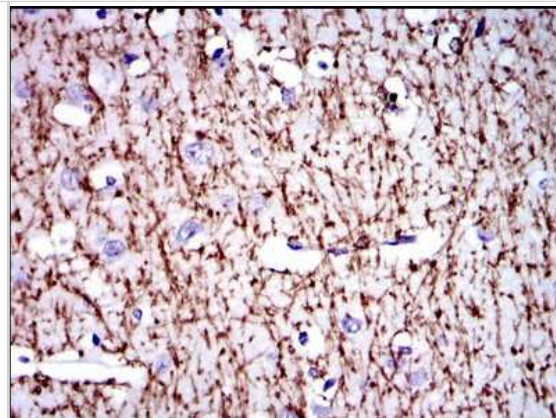
Immunohistochemistry-Frozen: MBP Antibody (2H9) [NBP2-22121] - Mouse brain cryosections were stained with anti-MBP (1:400) and anti-mouse Alexa Fluor 555 IgG. Staining specific, hardly any background. Magnification 1:20. Image from verified customer review.



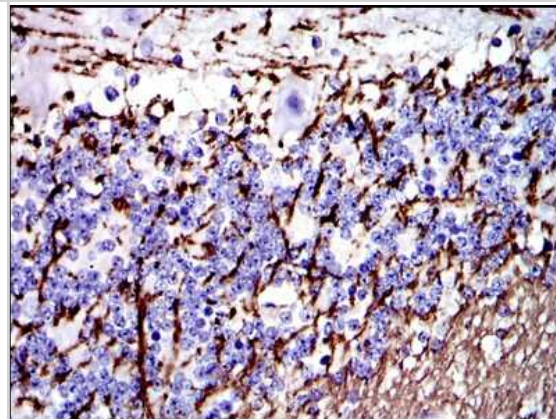
Flow Cytometry: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Flow cytometric analysis of HepG2 cells using Myelin Basic Protein mouse mAb (green) and negative control (red).



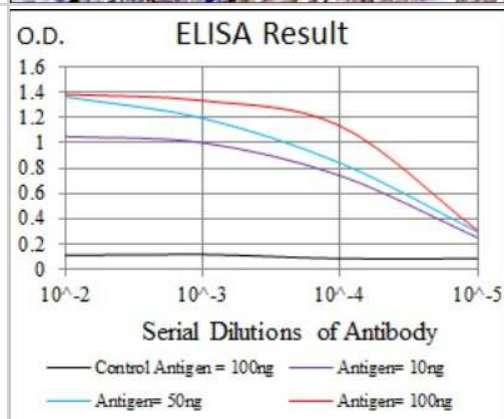
Immunohistochemistry-Paraffin: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Immunohistochemical analysis of paraffin-embedded brain tissues using Myelin Basic Protein mouse mAb with DAB staining.



Immunohistochemistry-Paraffin: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Immunohistochemical analysis of paraffin-embedded cerebellum tissues using Myelin Basic Protein mouse mAb with DAB staining.



ELISA: Myelin Basic Protein Antibody (2H9) [NBP2-22121] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng).



Publications

Linnerbauer M, Beyer T, Nirschl L et al. PD-L1 positive astrocytes attenuate inflammatory functions of PD-1 positive microglia in models of autoimmune neuroinflammation *Nat Commun* 2023-09-09 [PMID: 37689786]

Linnerbauer M, Löfflein L, Farrenkopf D et al. Astrocyte-Derived Pleiotrophin Mitigates Late-Stage Autoimmune CNS Inflammation *Frontiers in Immunology* 2022-01-03 [PMID: 35046956] (In vivo assay)

Holloway RK, Zhang L, Molina-Gonzalez I et al. Localized microglia dysregulation impairs central nervous system myelination in development *Acta neuropathologica communications* 2023-03-22 [PMID: 36949514] (IHC-P, Human)

Mozafari S, Starost L, Manot-Saillet B, Garcia-Diaz B Multiple sclerosis iPSC-derived oligodendroglia conserve their intrinsic properties to functionally interact with axons and glia in vivo *Sci Adv* 2020-12-05 [PMID: 33277253]

Ruhela D, Bhopale VM, Kalakonda S et al. Astrocyte-derived microparticles initiate a neuroinflammatory cycle due to carbon monoxide poisoning *Brain Behav Immun Health* 2021-12-01 [PMID: 34917988] (FLOW, Mouse)

Schmitt C, Lechanteur A, Cossais F et al. Liposomal Encapsulated Curcumin Effectively Attenuates Neuroinflammatory and Reactive Astrogliosis Reactions in Glia Cells and Organotypic Brain Slices *International Journal of Nanomedicine* 2020-05-25 [PMID: 32547020] (IF/IHC, Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-22121

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-22121

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

