

# Product Datasheet

## MBP Antibody (2H9) [Janelia Fluor® 646] NBP2-22121JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-22121JF646**

MBP Antibody (2H9) [Janelia Fluor® 646]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2H9
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	Janelia Fluor 646
<b>Purity</b>	Ammonium sulfate precipitation
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4155
<b>Gene Symbol</b>	MBP
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported by customer review.
<b>Marker</b>	Oligodendrocyte Marker, Myelin Marker
<b>Immunogen</b>	Purified recombinant fragment of human Myelin Basic Protein expressed in E. coli. [UniProt# P02686]
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



## Publications

Mathias Linnerbauer, Lena Lößlein, Oliver Vandrey, Anne Peter, Yanan Han, Thanos Tsaktanis, Emile Wogram, Maria Needhamsen, Lara Kular, Lisa Nagel, Julia Zissler, Marie Andert, Lisa Meszaros, Jannis Hanspach, Finnja Zuber, Ulrike J. Naumann, Martin Diebold, Michael A. Wheeler, Tobias Beyer, Lucy Nirschl, Ana Cirac, Frederik B. Laun, Claudia Günther, Jürgen Winkler, Tobias Bäuerle, Maja Jagodic, Bernhard Hemmer, Marco Prinz, Francisco J. Quintana, Veit Rothhammer The astrocyte-produced growth factor HB-EGF limits autoimmune CNS pathology *Nature Immunology* 2024-02-26 [PMID: 38409259]

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, Lößlein 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)





### **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 NBP2-22121JF646**

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NBP1-97005JF646	Mouse IgG1 Isotype Control (MG1) [Janelia Fluor 646]
NBP2-23253	Recombinant Human MBP His Protein
210-TA-005	TNF-alpha [Unconjugated]
DY4228B-05	MBP [Biotin]

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### **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.

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