

# Product Datasheet

## MBP Antibody (7G7) [PE] NBP1-05203PE

Unit Size: 0.1 ml

Store at 4C in the dark.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-05203PE](http://www.novusbio.com/NBP1-05203PE)

Updated 10/30/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-05203PE](http://www.novusbio.com/reviews/destination/NBP1-05203PE)



**NBP1-05203PE**

MBP Antibody (7G7) [PE]

| Product Information     |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| Unit Size               | 0.1 ml                                                                               |
| Concentration           | This product is unpurified. The exact concentration of antibody is not quantifiable. |
| Storage                 | Store at 4C in the dark.                                                             |
| Clonality               | Monoclonal                                                                           |
| Clone                   | 7G7                                                                                  |
| Preservative            | 0.05% Sodium Azide                                                                   |
| Isotype                 | IgG1                                                                                 |
| Conjugate               | PE                                                                                   |
| Purity                  | Ascites                                                                              |
| Buffer                  | PBS                                                                                  |
| Target Molecular Weight | 19 kDa                                                                               |

| Product Description     |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  |
| Host                    | Mouse                                                                                                                                                                                  |
| Gene ID                 | 4155                                                                                                                                                                                   |
| Gene Symbol             | MBP                                                                                                                                                                                    |
| Species                 | Human, Mouse, Rat, Porcine, Bovine, Equine                                                                                                                                             |
| Reactivity Notes        | This peptide is invariant in rat, mouse, cow and many other species, so this antibody will have wide applicability. TMW ranges are 14 - 21.5 kDa (rodent) and 17.2 - 21.5 kDa (human). |
| Marker                  | Oligodendrocyte Marker, Myelin Marker                                                                                                                                                  |
| Specificity/Sensitivity | The MBP Antibody (7G7) antibody binds all four of the CNS MBP isoforms, so that the epitope for the antibody is located in the core shared by all four gene products.                  |
| Immunogen               | Purified myelin basic protein isolated from bovine brain, epitope is in peptide TPPPSQGKG, amino acids 125-133 of the human 21.5kDa sequence.                                          |

| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation                                                                                                                                                                                                                                                                      |
| Recommended Dilutions       | Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Frozen                                                                                                                                                                                                                                                                      |
| Application Notes           | <p>This Myelin Basic Protein (7G7) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot. In WB bands can be seen at ~18 and 21.5 kDa.</p> <p>The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p> |





### **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 NBP1-05203PE**

---

|              |                                       |
|--------------|---------------------------------------|
| NBP1-97005PE | Mouse IgG1 Isotype Control (MG1) [PE] |
| NBP1-05203UV | MBP Antibody (7G7) [DyLight 350]      |
| NBP2-23253   | Recombinant Human MBP His Protein     |
| 210-TA-005   | TNF-alpha [Unconjugated]              |

---

### **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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-05203PE](http://www.novusbio.com/reviews/submit/NBP1-05203PE)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

