

# Product Datasheet

## MBP Antibody (7D2) [Alexa Fluor® 647] NBP1-05204AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-05204AF647**

MBP Antibody (7D2) [Alexa Fluor® 647]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | 7D2   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1  |
| Conjugate           | Alexa Fluor 647   |
| Purity              | Affinity purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 4155   |
| Gene Symbol             | MBP  |
| Species                 | Human, Mouse, Rat, Porcine, Bovine, Equine   |
| Marker                  | Oligodendrocyte Marker, Myelin Marker  |
| Specificity/Sensitivity | The MBP Antibody (7D2) antibody binds only the 21.5kDa and 18.5kDa rat MBP isotypes, but all four isotypes of human and bovine MBP.  |
| Immunogen               | Purified myelin basic protein isolated from bovine brain, epitope maps to the peptide AEGQRPGFGYGGRASDYKSAHKGFKGVDAQQGTLISKIFKLG, amino acids 145-184 of the human 21.5kDa sequence.   |
| Notes                   | <p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a>. 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.</p> |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry |



|                              |   |
|------------------------------|---|
| <b>Recommended Dilutions</b> | Western Blot, Immunohistochemistry,<br>Immunocytochemistry/Immunofluorescence |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.        |





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### **Products Related to NBP1-05204AF647**

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|                 |   |
|-----------------|---|
| NBP1-97005AF647 | Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 647] |
| NBP2-22654      | Recombinant E. coli MBP His Protein                 |
| 210-TA-005      | TNF-alpha [Unconjugated]                            |
| DY4228-05       | 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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