

# Product Datasheet

## MyoD Antibody (MYOD1/2075R) [Alexa Fluor® 532] NBP2-75772AF532

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-75772AF532**

MyoD Antibody (MYOD1/2075R) [Alexa Fluor® 532]

| <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>                   | MYOD1/2075R   |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG   |
| <b>Conjugate</b>               | Alexa Fluor 532   |
| <b>Purity</b>                  | Protein A purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate  |
| <b>Product Description</b>     |   |
| <b>Host</b>                    | Rabbit  |
| <b>Gene ID</b>                 | 4654  |
| <b>Gene Symbol</b>             | MYOD1   |
| <b>Species</b>                 | Human   |
| <b>Marker</b>                  | Rhabdomyosarcoma Marker   |
| <b>Specificity/Sensitivity</b> | Recognizes a phospho-protein of 45kDa, identified as MyoD1. This monoclonal antibody does not cross react with myogenin, Myf5, or Myf6. Antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues. MyoD1 is not detected in normal adult tissue, but is highly expressed in the tumor cell nuclei of rhabdomyosarcomas. Occasionally nuclear expression of MyoD1 is seen in ectomesenchymoma and a subset of Wilm s tumors. Weak cytoplasmic staining is observed in several non-muscle tissues, including glandular epithelium and also in rhabdomyosarcomas, neuroblastomas, Ewing s sarcomas and alveolar soft part sarcomas. Only nuclear staining should be considered as evidence of skeletal muscle differentiation. |
| <b>Immunogen</b>               | Recombinant human full-length MyoD protein (Uniprot: P15172 )   |



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| <b>Notes</b> | <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> |
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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array     |
| <b>Recommended Dilutions</b>       | Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array     |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |



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### **Products Related to NBP2-75772AF532**

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|                    |   |
|--------------------|---|
| NBP2-24891AF532    | Rabbit IgG Isotype Control [Alexa Fluor® 532] |
| H00004654-P01-2ug  | Recombinant Human MyoD GST (N-Term) Protein   |
| 291-G1-200         | IGF-I/IGF-1 [Unconjugated]                    |
| H00004654-Q01-10ug | Recombinant Human MyoD GST (N-Term) Protein   |

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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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