

# Product Datasheet

## MyoD Antibody (SPM427) [Alexa Fluor® 700] NBP2-34772AF700

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34772AF700**

MyoD Antibody (SPM427) [Alexa Fluor® 700]

<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>	SPM427
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor 700
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4654
<b>Gene Symbol</b>	MYOD1
<b>Species</b>	Human, Mouse, Rat, Chicken
<b>Marker</b>	Rhabdomyosarcoma Marker
<b>Specificity/Sensitivity</b>	Recognizes a phosphor-protein of 45kDa, identified as MyoD1. The epitope of this monoclonal antibody maps between amino acid 180-189 in the C-terminal of Mouse MyoD1 protein. It 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 Wilms sarcomas and alveolar soft part sarcomas.
<b>Immunogen</b>	Recombinant MyoD of Mouse origin with an epitope mapping to amino acids 180-189. (Uniprot: P15172)
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<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Flow (Intracellular), CyTOF-ready





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### **Products Related to NBP2-34772AF700**

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IC002N	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 700]
H00004654-Q01-10ug	Recombinant Human MyoD GST (N-Term) Protein
291-G1-200	IGF-I/IGF-1 [Unconjugated]
NBL1-13443	MyoD Overexpression Lysate

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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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