

## 36-1489: Monoclonal Antibody to MyoD1 (Rhabdomyosarcoma Marker)(Clone : SPM427)

|                                |                                 |
|--------------------------------|---------------------------------|
| <b>Clonality :</b>             | Monoclonal                      |
| <b>Clone Name :</b>            | SPM427                          |
| <b>Application :</b>           | FACS,IF,IHC                     |
| <b>Reactivity :</b>            | Human, Mouse, Rat               |
| <b>Gene :</b>                  | MYOD1                           |
| <b>Gene ID :</b>               | 4654                            |
| <b>Uniprot ID :</b>            | P15172                          |
| <b>Format :</b>                | Purified                        |
| <b>Alternative Name :</b>      | MYOD1,BHLHC1,MYF3,MYOD          |
| <b>Isotype :</b>               | Mouse IgG1, kappa               |
| <b>Immunogen Information :</b> | Recombinant mouse MyoD1 protein |

### Description

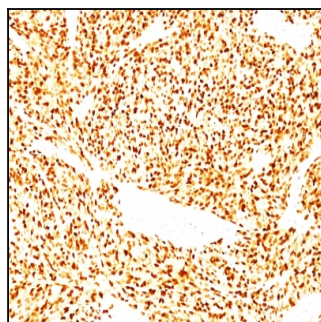
Recognizes a phosphor-protein of 45kDa, identified as MyoD1. The epitope of this MAb maps between amino acid 180-189 in the C-terminal of mouse MyoD1 protein. It does not cross react with myogenin, Myf5, or Myf6. Antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues. MyoD1 is 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 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.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity Chromatography   |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by heating tissue sections in 1mM EDTA Buffer, pH 7.5-8.5, for 45 min at 95&degC followed by cooling at RT for 20 minutes)



Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with MyoD1 Monoclonal Antibody (SPM427)