

12-1219: Anti-MyoD1 (Rhabdomyosarcoma Marker) Recombinant Mouse Monoclonal Antibody (Clone:rMYD712)

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| Clonality : | Monoclonal |
| Clone Name : | rMYD712 |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | MYOD1 |
| Gene ID : | 4654 |
| Uniprot ID : | P15172 |
| Format : | Purified |
| Alternative Name : | bHLHc1, Class C basic helix-loop-helix protein 1, Myoblast determination protein 1, Myogenic differentiation 1, Myogenic factor 3 (Myf-3), Myogenin D1, PUM |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant full-length human MyoD1 protein |

Description

Recognizes a phosphor-protein of 45kDa, identified as MyoD1. This MAb 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 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

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| Amount : | 20 µg / 100 µg |
| Purification : | Protein A/G |
| Content : | 200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Immunohistochemistry (Formalin-fixed) (1-2 µg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)

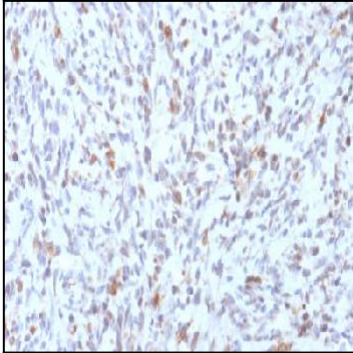


Figure 1: Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with MyoD1 Mouse Recombinant Monoclonal Antibody (rMYD712).

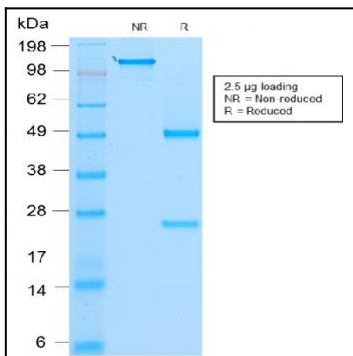


Figure 2: SDS-PAGE Analysis Purified MyoD1 Mouse Recombinant Monoclonal Antibody (rMYD712).