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

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, 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 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**

Amount :  $20 \mu g / 100 \mu g$ 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 $\tilde{A}$  $\square$  $\hat{A}$  $\mu$ g/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&degC followed by cooling at RT for 20 minutes)



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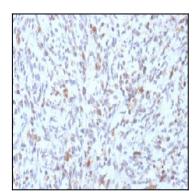


Figure 1: Formalin-fixed, paraffin-embedded human Rhabdomyosarcoma stained with MyoD1 Mouse Recombinant Monoclonal Antibody (rMYD712).

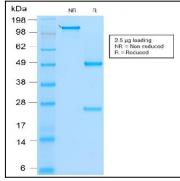


Figure 2: SDS-PAGE Analysis Purified MyoD1 Mouse Recombinant Monoclonal Antibody (rMYD712).