

Monoclonal Mouse Antibody to MyoD1

Catalog No.:	Mob 278-1, Mob 278-1-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	BALB/C mice were injected with a recombinant mouse MyoD1 protein
Clone:	5.8A
Isotype:	IgG1
Format:	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:10-1:20 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 1mM EDTA, pH 8 or 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
Specificity:	This antibody is specific to a 45 kD protein, which is identified as MyoD1. MyoD1 is a nuclear phosphoprotein. This antibody stains the nuclei of myoblasts in developing muscle tissues. MyoD1 is not detected in normal adult tissue but is expressed strongly in a portion of the tumor cell nuclei of poorly differentiated rhabdomyosarcomas. Cytoplasmic staining has been reported in multinucleated cells. This antibody reacts with mouse and human MyoD1.
Positive Control:	Rhabdomyosarcoma
Cellular Localization:	Nuclear
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	1. Dias et al. Cancer Res 52: 144, 1994. 2. Rosai et al. Am J Surg. Pathol. 15: 974, 1991. 3. Stefanini M et al. Nature 216: 173, 1967.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

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