Mouse MyoD1 Monoclonal Antibody | anti-MyoD1 antibody

MyoD1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60492	**Mouse**	**Human, Mouse, Rat, Chicken, Pig**	**Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western Blot, ELISA**

PRODUCT SYNONYMS

MyoD1; Monoclonal Antibody; Myoblast determination protein 1; Myogenic factor 3; Myf-3; anti-MyoD1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Chicken, Pig
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	5.2F
Purity/Purification	Protein A/G Chromatography
Form/Format	Provided as solution in phosphate buffered saline with 0.08% sodium azide
Sequence Length	320
Applicable Applications for anti-MyoD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot), ELISA
Source Note	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with recombinant mouse MyoD1 protein and mouse myeloma Sp2/0-Ag14 cells.
Immunogen	Recombinant mouse MyoD1 protein.
Positive Control	Rhabdomyosarcoma, SW80 cells
Functional Analysis	Western Blotting
Preparation and Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

IMAGES

IHC (Immunohistochemistry)
Left: Immunohistochemical staining using MyoD1 antibody on formalin fixed, paraffin embedded human rhabdomyosarcoma.

ADDITIONAL INFORMATION

Related Product Information for anti-MyoD1 antibody	Recognizes a protein of 45kDa, identified as MyoD1. The epitope of this antibody maps in between amino acid 3-56 in the N-terminus of mouse MyoD1 protein. It does not cross react with myogenin, Myf5, or Myf6. Occassionally nuclear expression/staining of MyoD1 is seen in ectomesenchymoma and a subset of Wilm?s tumors. Weak cytoplasmic staining/presence is observed in several non-muscle tissues, including glandular epithelium and also in rhabdomyosarcomas, neuroblastomas, Ewing?s sarcomas and alveolar soft part sarcomas. The 5.2F antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues. MyoD1 is not detected in normal adult tissue. Occassionally nuclear expression of MyoD1 is seen in ectomesenchymoma and a subset of Wilm?s tumors.
Product Categories/Family for anti-MyoD1 antibody	Monoclonal Antibody; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	23111009
NCBI GeneID	4654
NCBI Accession #	NP_002469.2
NCBI GenBank Nucleotide #	NM_002478.4
UniProt Accession #	P15172; O75321
Molecular Weight	34,501 Da
NCBI Official Full Name	myoblast determination protein 1
NCBI Official Synonym Full Names	myogenic differentiation 1
NCBI Official Symbol	MYOD1
NCBI Official Synonym Symbols	PUM; MYF3; MYOD; bHLHc1
NCBI Protein Information	myoblast determination protein 1; myf-3; myogenic factor 3; class C basic helix-loop-helix protein 1
UniProt Protein Name	Myoblast determination protein 1
UniProt Gene Name	**MYOD1**
UniProt Synonym Gene Names	BHLHC1; MYF3; MYOD; bHLHc1; Myf-3
UniProt Entry Name	MYOD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/myod1-antibody-clone-5-2f-immunofluorescence-immunohistochemistry-immunoprecipitation-western-blot-elisa/60492