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Product datasheet for AM33304PU-S

MYOD1 Mouse Monoclonal Antibody [Clone ID: 5.8A]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5.8A
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	**Flow Cytometry:** 0.5-1 µg/million cells. **Immunofluorescence:** 0.5-1 µg/ml. **Western Blotting:** 0.25-0.5 µg/ml. **Immunoprecipitation:** 0.5-1 µg/500 µg protein lysate. **Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:** 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 1mM EDTA Buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes. ***Positive Control***: Rhabdomyosarcoma.
Reactivity:	Chicken, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant mouse MyoD1 protein.
Specificity:	Recognizes a phosphor-protein of 45kDa, identified as MyoD1. The epitope of this Monoclonal Antibody 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. ***Cellular Localization***: Nuclear. **Only nuclear staining should be considered as evidence of skeletal muscle differentiation.**

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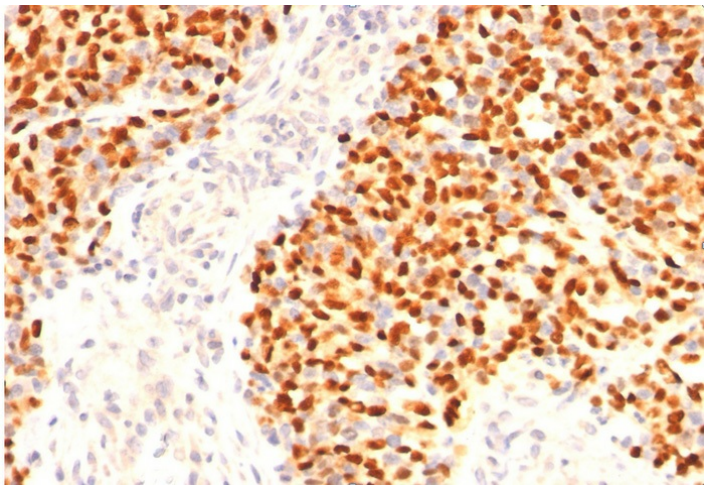
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	45 kDa
Gene Name:	myogenic differentiation 1
Database Link:	Entrez Gene 4654 Human P15172
Synonyms:	MYF3, MYOD, Myoblast determination protein 1, Myogenic factor 3, BHLHC1

Product images:



Formalin-Paraffin Rhabdomyosarcoma stained with MyoD1 Antibody (Clone 5.8A)