

DATASHEET

MyoD1 Mouse Monoclonal Antibody (ARM911)

CAT. NO. ARM6701

KEY FEATURES

Target	MyoD1	Clone ID	ARM911
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

Myogenic Differentiation 1 (MyoD1) belongs to a family of myogenic helix - loop - helix transcription factors, and, when combined with myogenin, plays a key role in the myogenic or muscle differentiation pathway. MyoD1 is expressed in myoblasts and in activated satellite cells, but not in normal mature skeletal muscle or in quiescent satellite cells; Anti - MyoD1 is therefore used to identify cells that are committed to myogenesis. Anti - MyoD1 is also utilized as a biomarker for rhabdomyosarcomas, a malignant soft tissue neoplasm, often as part of a panel also including Anti - Myogenin and Anti - Desmin.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG
Positive Control	Fetal muscle, rhabdomyosarcoma
Localization	Nuclear
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	MYOD1
Entrez Gene ID	4654
Uniprot	P15172
Alternative Names	Myoblast determination protein 1, Myf3

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

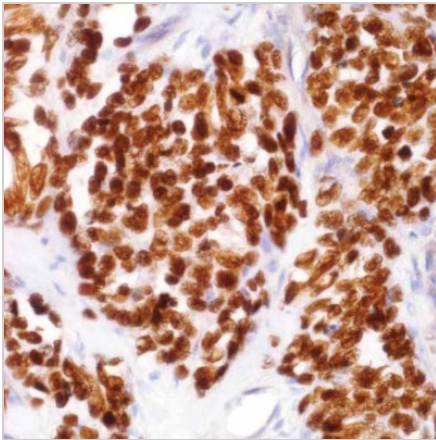
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

DATA

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rhabdomyosarcoma sections labeling MyoD1 with ARM911.

RESEARCH USE ONLY

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / myod1-mouse-monoclonal-antibody-arm911-arm6701](http://www.arexbio.com/myod1-mouse-monoclonal-antibody-arm911-arm6701)