Product Datasheet

MyoD1 Rabbit mAb

Catalog No: #49504

Package Size: #49504-1 50ul #49504-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MyoD1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-72
Purification	ProA affinity purified
Applications	WB, IP, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	bHLHc1 antibody Class C basic helix-loop-helix protein 1 antibody MYF 3 antibody Myf-3 antibody MYF3 antibody Myoblast determination protein 1 antibody Myod 1 antibody MYOD antibody MYOD1 antibody MYOD1_HUMAN antibody Myogenic differentiation 1 antibody Myogenic factor 3 antibody Myogenic factor MYF 3 antibody Myogenin D1 antibody PUM antibody
Accession No.	Swiss-Prot#:P15172
Uniprot	P15172
GeneID	4654;
Calculated MW	45 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-5,000IP: 1:10-1:50 FC: 1:50-1:100

Background

Differentiation of myogenic cells is regulated by multiple positively and negatively acting factors. One well characterized family of helix-loop-helix (HLH) proteins known to play an important role in the regulation of muscle cell development includes MyoD, myogenin, Myf-5 and Myf-6 (also designated MRF-4 or herculin). Of interest, most muscle cells express either MyoD or Myf-5 in the committed state, but when induced to differentiate, all turn on expression of myogenin. MyoD transcription factors form heterodimers with products of a more widely expressed family of bHLH genes, the E family, which consists of at least three distinct genes: E2A, IF2 and HEB. MyoD-E heterodimers bind avidly to consensus (CANNTG) E box target sites that are functionally important elements in the upstream regulatory sequences of many muscle-specific terminal differentiation genes.

References

Note: This product is for in vitro research use only