

# Anti-MYOD1 Antibody

Mouse monoclonal antibody to MYOD1

Catalog # AP61612

## Product Information

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<b>Application</b>	WB, IF, IHC
<b>Primary Accession</b>	<a href="#">P15172</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Calculated MW</b>	34501

## Additional Information

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<b>Gene ID</b>	4654
<b>Other Names</b>	BHLHC1; MYF3; MYOD; Myoblast determination protein 1; Class C basic helix-loop-helix protein 1; bHLHc1; Myogenic factor 3; Myf-3
<b>Target/Specificity</b>	Recognizes endogenous levels of MYOD1 protein.
<b>Dilution</b>	WB~~1:1000 IF~~1:50~200 IHC~~1:100~500
<b>Format</b>	Mouse IgG. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	MYOD1
<b>Synonyms</b>	BHLHC1, MYF3, MYOD
<b>Function</b>	Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins (By similarity).
<b>Cellular Location</b>	Nucleus.

## Background

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KLH-conjugated synthetic peptide encompassing a sequence within human MYOD1. The exact sequence is proprietary.

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