

Product Name: MyoD (5R13) Rabbit Monoclonal Antibody
Catalog #: AMRe14332

Summary

Production Name	MyoD (5R13) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	MYOD1
Alternative Names	Class C basic helix-loop-helix protein 1; MYF3; Myod 1; MYOD1; Myogenic differentiation 1; PUM;
Gene ID	4654.0
SwissProt ID	P15172.

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	35kDa

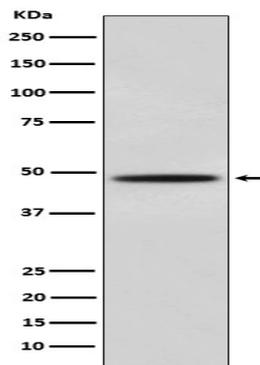
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Background

Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Activates muscle-specific promoters. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins. 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).

Research Area

Image Data



Western blot analysis of MyoD expression in HeLa cell lysate.

Note

For research use only.