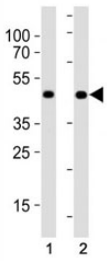
MyoD Antibody (F42354)

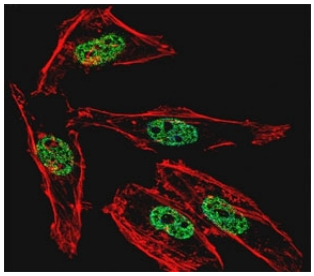
Catalog No.	Formulation	Size
F42354-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42354-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P15172
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50
Limitations	This MyoD antibody is available for research use only.



MyoD antibody western blot analysis in (1) HeLa cell line and (2) human placenta tissue lysate. Expected molecular weight: 43-45 kDa



Fluorescent confocal image of HeLa cell stained with MyoD1 antibody at 1:25. MyoD immunoreactivity is localized to the nucleus.

Description

This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.

Application Notes

Titration of the MyoD antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 211-240 from the human protein was used as the immunogen for this MyoD antibody.

Storage

Aliquot the MyoD antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.