

## MYOD1 monoclonal antibody

Catalog: MB23390

Host: Mouse

Reactivity: Human

### BackGround:

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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

34.5kDa

### Swiss-Prot:

P15172

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF: 1/50 - 1/200 FC: 1/200 - 1/400

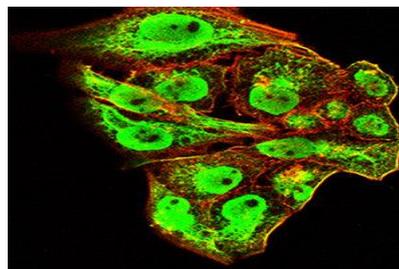
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

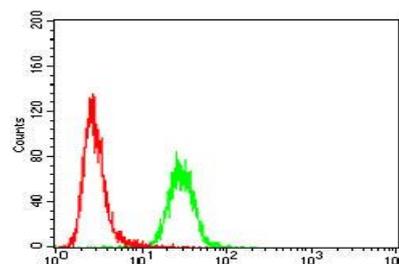
### Isotype:

Mouse IgG1

### DATA:



Immunofluorescence analysis of HeLa cells using MYOD1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HeLa cells using MYOD1 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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