

## Anti-MyoD Antibody (1F627)

## Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 45 kDa.
Clone:	1F627
Purification:	ProA affinity purified

## Applications

Application:	FCM,IP,WB
Recommended	WB: 1:1000-5000; IP: 1:10-50; FCM: 1:50-100

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P15172
Synonyms:	Myogenic differentiation 1;MYOD;MYF3;bHLHc1;MD1;MYOD1;PUM;MGC156574;AI503393;Myf-3;Class C basic helix-loop-helix protein 1;Myogenic factor 3

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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