

## Anti-MYOD1 Antibody (1B587)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 35 kDa. Actual: 47 kDa.
Clone:	1B587
Purification:	Protein A purified

## Applications

Verified Activity:	1. 25 µg total protein per lane of various lysates (see on figure) probed with MYOD1 monoclonal antibody, unconjugated (TMAB-09172) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
	2. 25 µg total protein per lane of various lysates (see on figure) probed with MYOD1 monoclonal antibody, unconjugated (TMAB-09172) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized peptide: human MYOD1
Antigen Species:	Human
Gene ID:	4654
Uniprot ID:	P15172

## Research Background

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.

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

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