

For Research Use Only

MYOD1 Monoclonal antibody, PBS Only



Catalog Number: 66214-1-PBS

Basic Information

Catalog Number: 66214-1-PBS	GenBank Accession Number: BC064493	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4654	CloneNo.: 5D1D12
Source: Mouse	UNIPROT ID: P15172	
Isotype: IgG1	Full Name: myogenic differentiation 1	
Immunogen Catalog Number: AG13512	Calculated MW: 320 aa, 35 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat, pig

Background Information

MYOD1, also named as BHLHC1 or MYF3, is a 320 amino acid protein, which promotes the transcriptional activity of MYOD1 through its CDK9-mediated phosphorylation. This phosphorylation promotes its function in muscle differentiation. MYOD1 acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. MYOD1 together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. he calculated molecular weight of MYOD1 is 34 kDa, but modified MYOD1 is about 45-47 kDa. (PMID: 12037670)

Storage

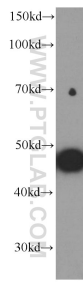
Storage:
Store at -80°C.

Storage Buffer:
PBS only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66214-1-Ig (MYOD1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66214-1-PBS in a different storage buffer formulation.