

For Research Use Only

# MYOD1 Monoclonal antibody, PBS Only



Catalog Number: 66214-1-PBS

## Basic Information

|                                      |  |  |
|--------------------------------------|--|--|
| Catalog Number:<br>66214-1-PBS       | GenBank Accession Number:<br>BC064493    | Purification Method:<br>Protein A purification |
| Size:<br>1 mg/ml                     | GeneID (NCBI):<br>4654                   | CloneNo.:<br>5D1D12                            |
| Source:<br>Mouse                     | UNIPROT ID:<br>P15172                    |  |
| Isotype:<br>IgG1                     | Full Name:<br>myogenic differentiation 1 |  |
| Immunogen Catalog Number:<br>AG13512 | Calculated MW:<br>320 aa, 35 kDa         |  |
|                                      | Observed MW:<br>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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
Storage Buffer:  
PBS only

For technical support and original validation data for this product please contact:

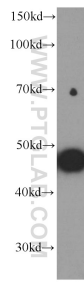
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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.