

## Rabbit MYOD Polyclonal Antibody | anti-MYOD antibody

MYOD (Phospho-Ser200) Antibody

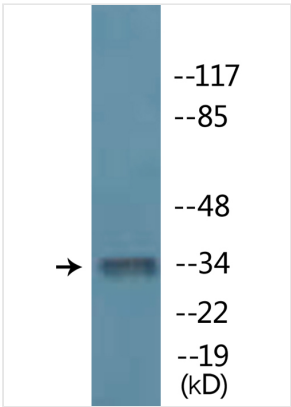
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS        |
|-----------|--------|-------------------|---------------------|
| AAA318361 | Rabbit | Human, Mouse, Rat | ELISA, Western Blot |

### PRODUCT SYNONYMS

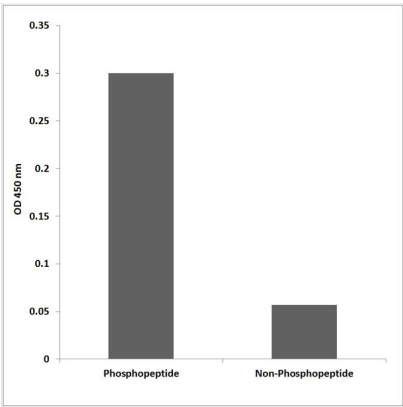
MYOD; Polyclonal Antibody; MYOD (Phospho-Ser200) Antibody; MYF3; MYOD1; Myoblast determination protein 1; Myogenic factor MYF-3; anti-MYOD antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                           |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                                                                                       |
| Specificity                                    | MYOD (Phospho-Ser200) Antibody detects endogenous levels of MYOD1 only when phosphorylated at Ser200.                                                                                            |
| Purity/Purification                            | Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Form/Format                                    | Rabbit IgG in phosphate buffered saline (Phospho-without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                       |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                | 320                                                                                                                                                                                              |
| Applicable Applications for anti-MYOD antibody | ELISA, WB (Western Blot)                                                                                                                                                                         |
| Target Modification                            | Phospho                                                                                                                                                                                          |
| Modification Sites                             | H:S200; M:S200; R:S200                                                                                                                                                                           |
| Immunogen                                      | The antiserum was produced against synthesized phospho-peptide derived from human MYOD around the phosphorylation site of Ser200.                                                                |
| Preparation and Storage                        | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |



**WB (Western Blot)**  
Western blot analysis of lysates from Jurkat cells treated with Ca<sup>+</sup> 40nM 30', using MYOD (Phospho-Ser200) Antibody.



**ELISA**  
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MYOD (Phospho-Ser200) Antibody

NCBI AND UNIPROT INFORMATION

|                                  |                                   |
|----------------------------------|-----------------------------------|
| NCBI GI #                        | 23111009                          |
| NCBI GeneID                      | 4654                              |
| NCBI Accession #                 | NP_002469.2                       |
| NCBI GenBank Nucleotide #        | NM_002478.4                       |
| UniProt Accession #              | P15172; O75321                    |
| Molecular Weight                 | 34 kDa                            |
| NCBI Official Full Name          | myoblast determination protein 1  |
| NCBI Official Synonym Full Names | myogenic differentiation 1        |
| NCBI Official Symbol             | MYOD1                             |
| NCBI Official Synonym Symbols    | PUM; MYF3; MYOD; bHLHc1           |
| NCBI Protein Information         | myoblast determination protein 1  |
| UniProt Protein Name             | Myoblast determination protein 1  |
| UniProt Gene Name                | <b>MYOD1</b>                      |
| UniProt Synonym Gene Names       | BHLHC1; MYF3; MYOD; bHLHc1; Myf-3 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.