

## MyoD (Phospho-Ser200) Polyclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 43077

**Format:** 100ul at 1.0mg/ml in PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

### BACKGROUND

MyoD encodes a nuclear protein that is a member of the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest which is required for myogenic initiation. MyoD is also involved in muscle regeneration. It activates its own transcription which may stabilize the commitment to myogenesis.

### SPECIFICATION SUMMARY

**Antigen:** Peptide sequence that includes phosphorylation site of serine 200 (A-S-S(p)-P-R) derived from human MyoD and conjugated to KLH.

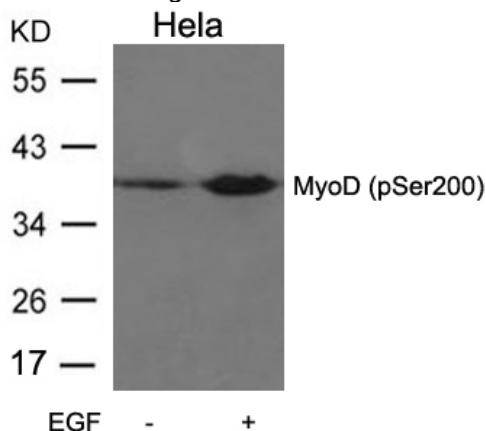
**Host Species:** Rabbit

**Specificity:** This antibody detects endogenous human, mouse, and rat MyoD only when phosphorylated at serine 200.

**Accession no.:** P15172, NP\_002469.2

### APPLICATIONS

**Immunoblotting:** use at dilution of 1:500-1:1,000. A band of ~40kDa is detected.



Detection of MyoD in extracts of HeLa cells untreated or treated with EGF.

These are recommended working dilutions. Endusers should determine optimal dilutions for their applications.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term.

*For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.*