

bs-5499R**[Primary Antibody]****phospho-MyoD1 (Ser200) Rabbit pAb****BioSS**
ANTIBODIES

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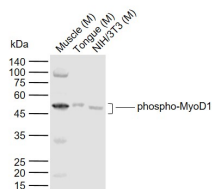
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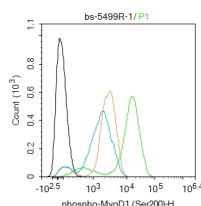
400-901-9800

— DATASHEET —

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 4654</p> <p>Target: phospho-MyoD1 (Ser200)</p> <p>Immunogen: KLH conjugated Synthesised phosphopeptide derived from human MyoD1 around the phosphorylation site of Ser200: DA(p-S)SP.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p>Background: This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis. [provided by RefSeq, Jul 2008]</p>	<p>Isotype: IgG</p> <p>SWISS: P15172</p> <p>Applications: WB (1:500-2000) Flow-Cyt (1ug/Test)</p> <p>Reactivity: Human, Mouse (predicted: Rat, Pig, Cow)</p> <p>Predicted MW.: 34 kDa</p> <p>Subcellular Location: Nucleus</p>
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— VALIDATION IMAGES —

Sample: Lane 1: Mouse Muscle tissue lysates
Lane 2: Mouse Tongue tissue lysates Lane 3: Mouse NIH/3T3 cell lysates
Primary: Anti-phospho-MyoD1 (Ser200) (bs-5499R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kDa Observed band size: 47 kDa



Blank control: K562. Primary Antibody (green line): Rabbit Anti-phospho-MyoD1 (Ser200) antibody (bs-5499R) Dilution: 1µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature . Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=4.938]** Du J et al. The regulation of skeletal muscle fiber-type composition by betaine is associated with NFATc1/MyoD. J Mol Med (Berl). 2018 Jun 6. WB ;Mouse. 29876588