

bs-23809R**[Primary Antibody]****MyoD1/Myf3 Rabbit pAb****Bioss**
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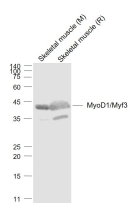
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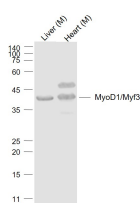
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 4654 Target: MyoD1/Myf3 Immunogen: KLH conjugated synthetic peptide derived from human MyoD1/Myf3: 1-100/320. Purification: affinity purified by Protein A Concentration: 1mg/ml 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. 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]	Isotype: IgG SWISS: P15172	Applications: WB (1:500-2000) Reactivity: Mouse, Rat (predicted: Human, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 35 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Sample: Lane 1: Skeletal muscle (Mouse) Lysate at 40 ug
Lane 2: Skeletal muscle (Rat) Lysate at 40 ug
Primary: Anti-MyoD1/Myf3 (bs-23809R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kD
Observed band size: 40 kD



Sample: Lane 1: Liver (Mouse) Lysate at 40 ug
Lane 2: Heart (Mouse) Lysate at 40 ug
Primary: Anti-MyoD1/Myf3 (bs-23809R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kD
Observed band size: 40 kD

— SELECTED CITATIONS —

- **[IF=8.713]** Zhao-Bo Luo. et al. Fecal transplant from myostatin deletion pigs positively impacts the gut-muscle axis. ELIFE. 2023; 12: e81858 WB ;Mouse. 37039469
- **[IF=8.025]** Siqi Liu. et al. Estrogen-mediated oar-miR-485-5p targets PPP1R13B to regulate myoblast proliferation in sheep. INT J BIOL MACROMOL. 2023 May;236:123987 WB ;Ewe. 36906210
- **[IF=4.4]** Song Pengkang. et al. Vitamin a potentiates sheep myoblasts myogenic differentiation through BHLHE40-modulated ID3 expression. BMC GENOMICS. 2024 Dec;25(1):1-12 WB ;Sheep. 38443816
- **[IF=2.1]** Ke Shenghui. et al. Isolation, identification, and induced differentiation of satellite cells from skeletal muscle of adult tree shrews. IN VITRO CELL DEV-AN. 2023 Dec;:1-18 IF ;Tree shrew. 38127228
- **[IF=1.8]** Shuang Li. et al. The influences of ARHGEF9 on myoblasts migration and differentiation. JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY. 2025 Feb 24. Western blot ;Mouse. 39992578

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.