

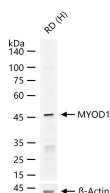
**bsm-62914R****[ Primary Antibody ]****BioSS**  
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www.bioss.com.cn

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400-901-9800

**MYOD1 Recombinant Rabbit mAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 20B18**GeneID:** 4654**SWISS:** P15172**Target:** MYOD1**Immunogen:** A synthesized peptide derived from human MYOD1: 30-90.**Purification:** affinity purified by Protein A**Storage:** 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Background:** Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYF5 and MYOG, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins.**Applications:** **WB** (1:500-2000)**Flow-Cyt** (1:50-100)**IP** (1:20-50)**Reactivity:** Human**Predicted**  
**MW.:** 35**Subcellular**  
**Location:** Nucleus**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with MYOD1 monoclonal antibody, unconjugated (bsm-62914R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.