

**bsm-60918R****[ Primary Antibody ]****Caldesmon/CDM Recombinant Rabbit mAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 10B10**GeneID:** 800**SWISS:** Q05682**Target:** Caldesmon/CDM**Purification:** affinity purified by Protein A**Storage:** 1mg/ml

Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

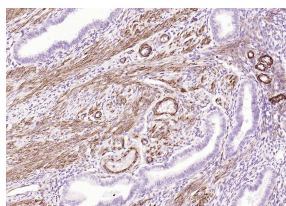
**Background:** This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jul 2008].

**Applications:** **WB** (1:500-2000)  
**IHC-P** (1:100-500)  
**IHC-F** (1:100-500)  
**IF** (1:100-500)

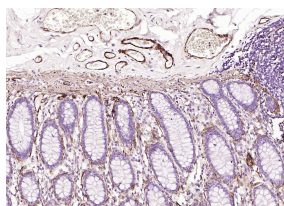
**Reactivity:** Human

**Predicted**  
**MW.:** 94 kDa

**Subcellular**  
**Location:** Cytoplasm

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Caldesmon/CDM) Monoclonal Antibody, Unconjugated (bsm-60918R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Caldesmon/CDM) Monoclonal Antibody, Unconjugated (bsm-60918R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.