

bsm-41256M**[Primary Antibody]****BioSS**
ANTIBODIES

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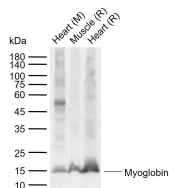
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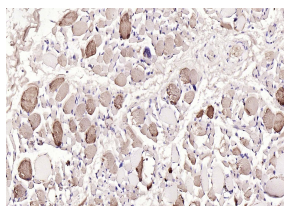
400-901-9800

Myoglobin Mouse mAb**— DATASHEET —**

| | | |
|---|----------------------|---|
| Host: Mouse | Isotype: IgG | Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:400-800) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 17 kDa Subcellular Location: Extracellular matrix ,Cell membrane |
| Clonality: Monoclonal | CloneNo.: 6H3 | |
| GeneID: 4151 | SWISS: P02144 | |
| Target: Myoglobin | | |
| Immunogen: Recombinant human Myoglobin: 1-154/154. | | |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | |
| Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| Background: Myoglobin is a small heme containing protein responsible for the oxygen deposition in muscle tissues. Only one form of myoglobin is expressed in cardiac and skeletal muscles. Myoglobin is known as a marker of myocardial damage and it has been used for more than three decades. Nowadays it still is very commonly used in clinical practice as an early marker of AMI. It appears in patient's blood 1 to 3 hours after onset of the symptoms, reaching peak level within 8 to 12 hours. Myoglobin is not so cardiac specific as cTnI or cTnT. Because of high myoglobin concentration in skeletal muscle tissue, even minor skeletal muscle injury results in the significant increase of myoglobin concentration in blood. Thus myoglobin is used together with cTnI or cTnT in clinical practise for better specificity in AMI diagnosis. | | |

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Heart tissue lysates Lane 2: Rat Muscle tissue lysates Lane 3: Rat Heart tissue lysates Primary: Anti-Myoglobin (bsm-41256M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 17 kDa Observed band size: 15 kDa



Paraformaldehyde-fixed, paraffin embedded (human skeletal muscle); 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; Antibody incubation with (Myoglobin) Monoclonal Antibody, Unconjugated (bsm-41256M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.