

Mouse Anti-Myoglobin antibody

SLM-41256M

Product Name Myoglobin

Chinese Name 肌红蛋白单克隆抗体

Alias MYO; MB; MGC13548; PVALB; MYG_HUMAN; Recombinant human Myoglobin, Trx & His

Research Area Tumour Cell biology immunology

Immunogen Species Mouse

Clonality Monoclonal

React Species Human Mouse Rat

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 17kDa

Cellular localization cytoplasmic Extracellular matrix

Form Liquid

Concentration 1mg/ml

immunogen Recombinant human Myoglobin: 1-154/154

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution Human,Mouse,Rat1M TBS(pH7.4) with 1% BSA, Human,Mouse,Rat3% Proclin300 and 50% Glycerol.

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

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

PubMed [PubMed](#)

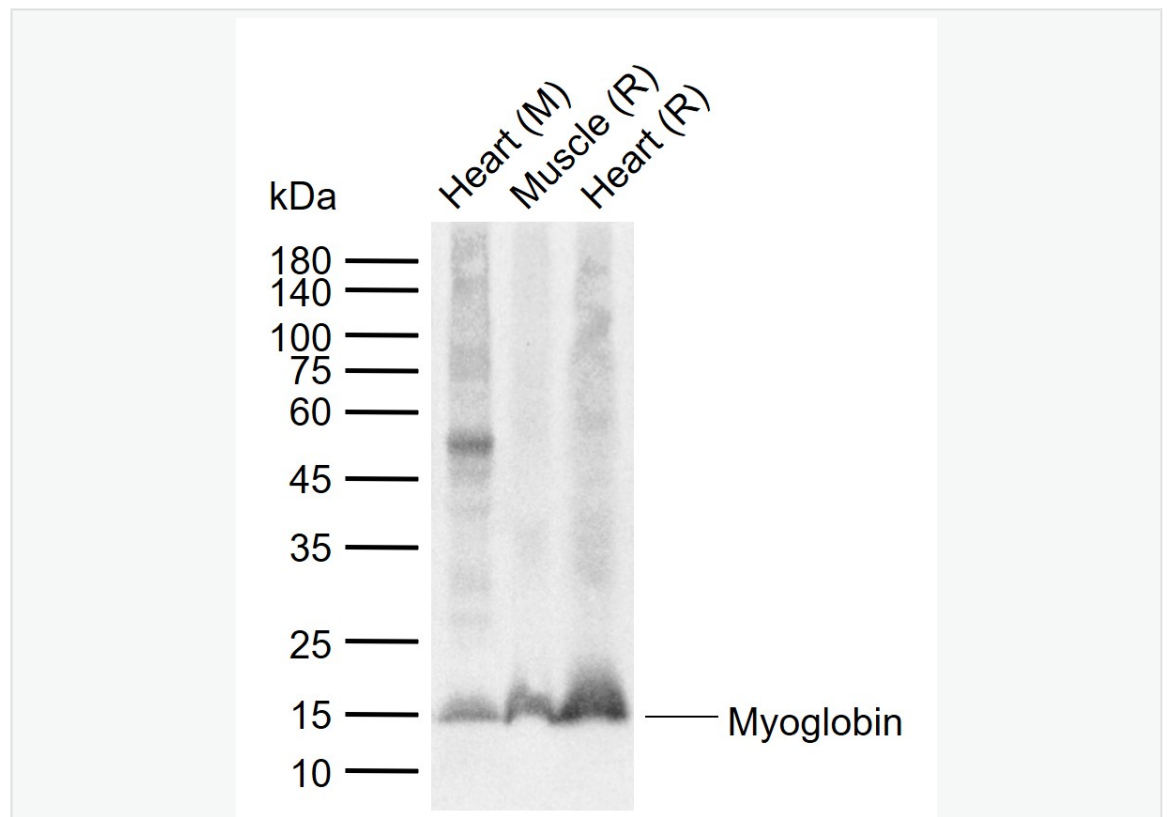
Product Detail Myoglobin is a small heme containing protein responsible for the oxygen deposition in muscle tissues. Only one form of myoglobin is expressed in cardiac and skeletal muscles.

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.

SWISS:
P02144

Gene ID:
4151

**Product
Picture**



Sample:

Lane 1: Mouse Heart tissue lysates

Lane 2: Rat Muscle tissue lysates

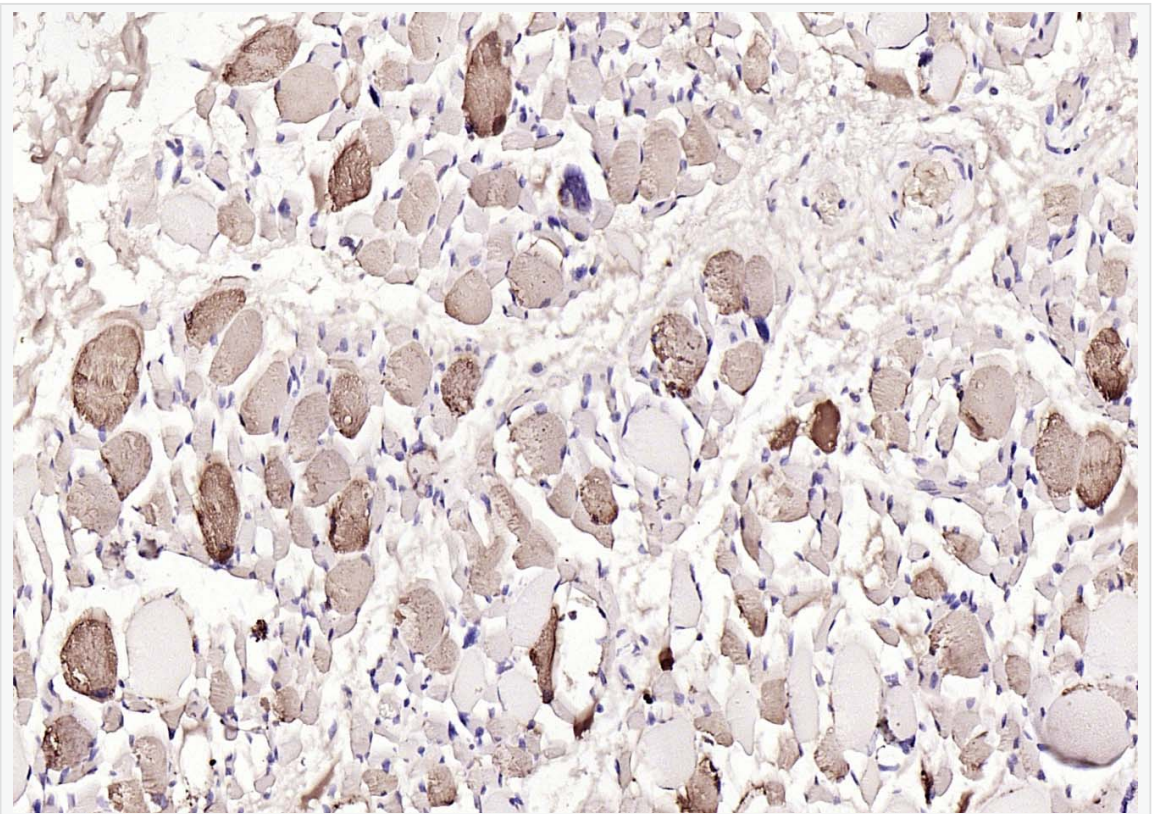
Lane 3: Rat Heart tissue lysates

Primary: Anti-Myoglobin (SLM-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



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Antibody, Unconjugated (SLM-41256M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.