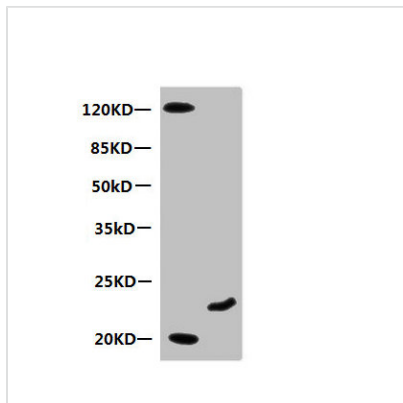




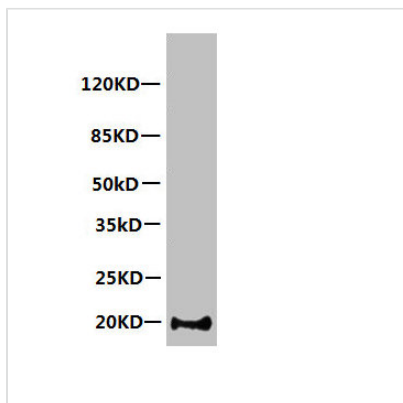
MB Monoclonal Antibody

Product Code	CSB-MA079101A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P02144
Immunogen	Recombinant Human Myoglobin protein
Raised In	Mouse
Species Reactivity	Human, Mouse
Specificity	Specific for Human Myoglobin denatured and native forms
Tested Applications	ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500, IF:1:50-1:200
Relevance	<p>Myoglobin is a small heme containing protein (153 amino acid residues, molecular weight (w/o heme) 17053 Da and theoretical pI=7.29) 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 cTnl 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 cTnl or cTnT in clinical practise for better specificity in AMI diagnosis.</p>
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG1
Clonality	Monoclonal
Alias	Myoglobin; MB; MGC13548; PVALB
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Clone No.	7A3D2
Image	



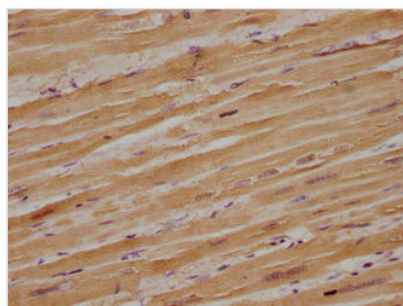
Western Blot

All lanes: Mouse anti-Human Myoglobin monoclonal antibody at 0.3µg/ml
 Lane 1: Mouse heart muscle lysate
 Lane 2: Recombinant Myoglobin at 10µg
 Secondary HRP labeled Goat polyclonal to Mouse IgG at 1/3000 dilution
 Predicted band size: 18 kDa
 Observed band size: 20 kDa
 Additional bands at: 120 kDa

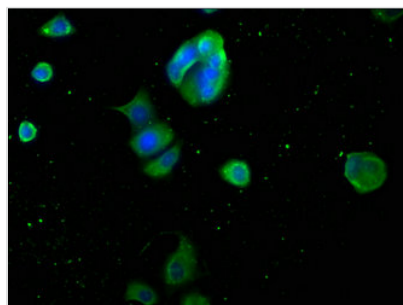


Western Blot

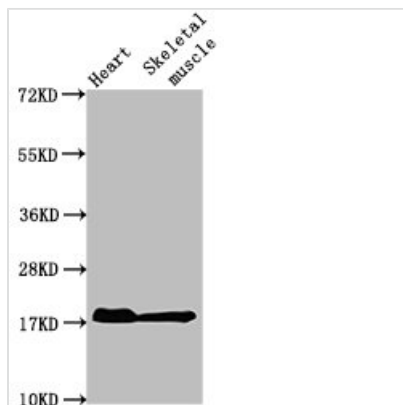
All lanes: Mouse anti-Human Myoglobin monoclonal antibody at 1µg/ml
 Lane 1: Myoglobin transfected 293 cell lysate
 Secondary HRP labeled Goat polyclonal to Mouse IgG at 1/3000 dilution
 Predicted band size: 18 kDa
 Observed band size: 20 kDa
 Additional bands at: 23, 25, 40 kDa



Immunohistochemical of paraffin-embedded human heart tissue using CSB-MA079101A0m at dilution of 1:100



Immunofluorescent analysis of MCF-7 cells using CSB-MA079101A0m at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L)

**Western Blot**

Positive WB detected in: Mouse heart tissue,
Mouse skeletal muscle tissue

All lanes: MB antibody at 1:2000

Secondary

Goat polyclonal to Mouse IgG at 1/50000 dilution

Predicted band size: 18 kDa

Observed band size: 18 kDa

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.