

Mouse anti-Human Myoglobin Monoclonal Antibody | anti-MB antibody

Myoglobin Monoclonal Antibody

CATALOG # AAA308407	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Myoglobin; Monoclonal Antibody; Myoglobin Monoclonal Antibody; myoglobin; MB; MGC13548; PVALB; anti-MB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	Specific for human Myoglobin denatured and native forms
Purity/Purification	Protein G Purified
Form/Format	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	154
Applicable Applications for anti-MB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human Myoglobin protein
Immunogen Type	Protein
Preparation and Storage	Store at -20 degree C

IMAGES



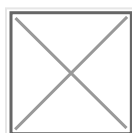
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human heart tissue using at dilution of 1:100.



WB (Western Blot)

All lanes: Mouse anti-Human Myoglobin monoclonal antibody at 1ug/ml



WB (Western Blot)

All lanes: Mouse anti-Human Myoglobin monoclonal antibody at 0.3ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-MB antibody	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 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 identification.
Product Categories/Family for anti-MB antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885477
NCBI GeneID	4151
NCBI Accession #	NP_005359.1
NCBI GenBank Nucleotide #	NM_005368.2
UniProt Accession #	P02144; Q52H51; Q5THY7
Molecular Weight	17,184 Da
NCBI Official Full Name	myoglobin
NCBI Official Synonym Full Names	myoglobin
NCBI Official Symbol	MB
NCBI Official Synonym Symbols	PVALB; myoglobgin
NCBI Protein Information	myoglobin
UniProt Protein Name	Myoglobin
UniProt Gene Name	MB
UniProt Entry Name	MYG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/myoglobin-antibody-immunohistochemistry-western-blot-elisa/308407>