

Mouse Myoglobin Monoclonal Antibody | anti-MB antibody

Myoglobin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283517	Mouse	Human, Mouse Predicted Reactivity: Horse, Monkey, Pig	ELISA, Western Blot

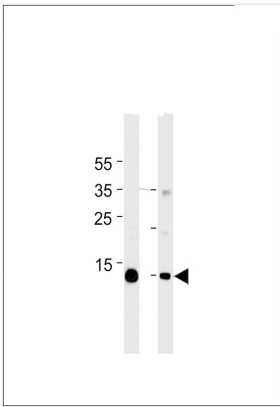
PRODUCT SYNONYMS

Myoglobin; Monoclonal Antibody; Myoglobin Antibody; MB; anti-MB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse Predicted Reactivity: Horse, Monkey, Pig
Clonality	Monoclonal
Isotype	IgG1
Specificity	This Myoglobin antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 103-130 amino acids from human Myoglobin.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Positions	103-130
Sequence Length	154
Applicable Applications for anti-MB antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	Serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles.
Preparation and Storage	Maintain refrigerated at 2-8°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Myoglobin Antibody western blot analysis in mouse heart and skeletal muscle tissue lysates (35ug/lane). This demonstrates the Myoglobin antibody detected the Myoglobin protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MB antibody	This gene encodes a member of the globin superfamily and is expressed in skeletal and cardiac muscles. The encoded protein is a haemoprotein contributing to intracellular oxygen storage and transcellular facilitated diffusion of oxygen. At least three alternatively spliced transcript variants encoding the same protein have been reported.
Product Categories/Family for anti-MB antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Esquerra, R.M., et al. Phys Chem Chem Phys 12(35):10270-10278(2010) Endeward, V., et al. Cardiovasc. Res. 87(1):22-29(2010) Balobanov, V.A., et al. Mol. Biol. (Mosk.) 44(4):708-717(2010) Kristiansen, G., et al. Br. J. Cancer 102(12):1736-1745(2010) Rayner, B.S., et al. Biochem. J. 423(2):169-177(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885477
NCBI GeneID	4151
NCBI Accession #	NP_005359.1; NP_976311.1; NP_976312.1
NCBI GenBank Nucleotide #	NM_005368.2
UniProt Accession #	P02144; Q52H51; Q5THY7
NCBI Official Full Name	myoglobin
NCBI Official Synonym Full Names	myoglobin
NCBI Official Symbol	MB
NCBI Official Synonym Symbols	PVALB; myoglobin
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.

