

MB monoclonal antibody, clone MG-1

Catalog # MAB1504 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native MB.
Immunogen	Native purified human MB.
Host	Mouse
Reactivity	Human, Rat
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Western Blot (0.5-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Gene Info — MB

Entrez GeneID	4151
Gene Name	MB
Gene Alias	MGC13548, PVALB
Gene Description	myoglobin
Omim ID	160000
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Disruption of myoglobin in mice induces multiple compensatory mechanisms.](#)

Godecke A, Flogel U, Zanger K, Ding Z, Hirchenhain J, Decking UK, Schrader J.
PNAS 1999 Aug; 96(18):10495.

- [Cloning of the human myoglobin gene.](#)

Akaboshi E.
Gene. 1985 Jan; 33(3):241.

- [The human myoglobin gene: a third dispersed globin locus in the human genome.](#)

Jeffreys AJ, Wilson V, Blanchetot A, Weller P, Geurts van Kessel A, Spurr N, Solomon E, Goodfellow P.
Nucleic Acids Research 1984 Apr; 12(7):3235.