# MB monoclonal antibody, clone 6H8B5, 5A2G8, 4D7H3, 3H6A7

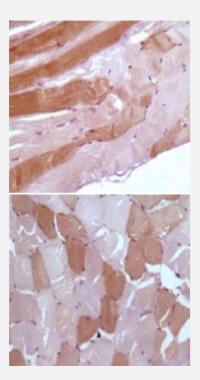
Catalog # MAB5539 Size 100 ug

# Applications



#### Western Blot (Recombinant protein)

Western blot analysis using MB monoclonal antibody, clone 6H8B5,5A2G8,4D7H3,3H6A7 (Cat # MAB5539) against truncated MB recombinant protein (GST-tag).



#### Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue, showing nuclear and cytoplasmic localization using MB monoclonal antibody, clone 6H8B5, 5A2G8, 4D7H3, 3H6A7 (Cat # MAB5539) with DAB staining.

Specification	
Product Description	Mouse monoclonal antibody raised against partial recombinant MB.
Immunogen	Recombinant protein corresponding to human MB.

🗑 Abnova

#### **Product Information**

Host	Mouse
Reactivity	Human
Form	Liquid
lsotype	lgG1
Recommend Usage	Western Blot (1:500-1:2000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:2000) Immunohistochemistry (Frozen sections) (1:500-1:2000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

# Applications

• Western Blot (Recombinant protein)

Western blot analysis using MB monoclonal antibody, clone 6H8B5,5A2G8,4D7H3,3H6A7 (Cat # MAB5539) against truncated MB recombinant protein (GST-tag).

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

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue, showing nuclear and cytoplasmic localization using MB monoclonal antibody, clone 6H8B5, 5A2G8, 4D7H3, 3H6A7 (Cat # MAB5539) with DAB staining.

- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MB

Entrez GenelD	<u>4151</u>
Gene Name	MB
Gene Alias	MGC13548, PVALB



### **Product Information**

Gene Description	myoglobin
Omim ID	<u>160000</u>
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 t ranscellular facilitated diffusion of oxygen. At least three alternatively spliced transcript variants en coding the same protein have been reported. [provided by RefSeq
Other Designations	-

## **Publication Reference**

• Lack of myoglobin causes a switch in cardiac substrate selection.

Flogel U, Laussmann T, Godecke A, Abanador N, Schafers M, Fingas CD, Metzger S, Levkau B, Jacoby C, Schrader J. Circulation Research 2005 Apr; 96(8):e68.

#### • Myoglobin: an essential hemoprotein in striated muscle.

#### Ordway GA, Garry DJ.

The Journal of Experimental Biology 2004 Sep; 207(Pt 20):3441.

Application: IHC, WB, Human, Mouse, C2C12 cells, Skeletal muscles