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# 39-1068: Anti-Myoglobin Monoclonal Antibody (Clone: MG-1)

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | MG-1 |
| **Application :** | IHC-P |
| **Reactivity :** | Human |
| **Gene :** | MB |
| **Gene ID :** | 4151 |
| **Uniprot ID :** | Â P02144 |
| **Alternative Name :** | Myoglobin; Mb |
| **Isotype :** | Mouse IgG1 |
| **Immunogen Information :** | Purified human skeletal muscle myoglobin. |

## Description

Human myoglobin has 152 residues. Two myoglobin variants were found. The myoglobin locus mapped to 22q11-22q13. The myoglobin gene is about 10.5 kb long and contains two introns as in the case with hemoglobin genes. Myoglobin may serve a variety of functions in muscular oxygen supply, such as O(2) storage, facilitated O(2) diffusion, and myoglobin-mediated oxidative phosphorylation.

## Product Info

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| **Amount :** | 100 µg/vial |
| **Purification :** | Ascites |
| **Content :** | Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml. |
| **Storage condition :** | At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing. |

## Application Note

Immunohistochemistry(Paraffin-embedded Section) : 1-2Ã¼g/ml




Figure 1: Anti-Myoglobin antibody(monoclonal) 39-1068 .Western blotting: Rat Skeletal Muscle Tissue Lysate.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***