

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MG-1
<b>Application :</b>	IHC-P
<b>Reactivity :</b>	Human
<b>Gene :</b>	MB
<b>Gene ID :</b>	4151
<b>Uniprot ID :</b>	P02144
<b>Alternative Name :</b>	Myoglobin; Mb
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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) : 1-2½g/ml



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