

# Myoglobin Mouse mAb

**Catalog No.: A28546**

## Basic Information

### Observed MW

17 kDa

### Calculated MW

17 kDa

### Category

Primary antibody

### Applications

WB,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

AMC50106

## Background

This gene encodes a member of the globin superfamily and is predominantly expressed in skeletal and cardiac muscles. The encoded protein forms a monomeric globular haemoprotein that is primarily responsible for the storage and facilitated transfer of oxygen from the cell membrane to the mitochondria. This protein also plays a role in regulating physiological levels of nitric oxide. Multiple transcript variants encoding distinct isoforms exist for this gene.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IF-P</b>	1:100 - 1:400
<b>IHC-P</b>	1:3000 - 1:12000
<b>ELISA</b>	Recommended starting concentration is 1 $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ( $\geq 1:10000$ ) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

4151

### Swiss Prot

P02144

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

MYOSB; PVALB; Myoglobin

## Product Information

### Source

Mouse

### Isotype

mouse IgG1

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.  
PBS with 0.09% sodium azide, 50% glycerol, pH7.3

## **Contact**

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