

# 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

**WB** 1:1000 - 1:5000

**IF-P** 1:100 - 1:400

**IHC-P** 1:3000 - 1:12000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥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

IgG1. Rabbit-derived mouse chimeric antibody

### 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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