

**Product Name: Myoglobin (17N17) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe14338**

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## Summary

<b>Production Name</b>	Myoglobin (17N17) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	MB
<b>Alternative Names</b>	MB; MGC13548; MYG; Myoglobin; PVALB;
<b>Gene ID</b>	4151.0
<b>SwissProt ID</b>	P02144.

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000
<b>Molecular Weight</b>	17kDa

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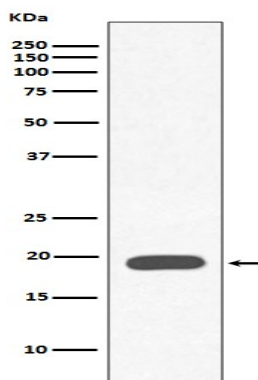


## Background

Myoglobin (MB) is an oxygen-binding protein that contains one polypeptide chain and one heme group. Reversible oxygen binding occurs by a linkage with the imidazole nitrogen of the 91st histidine residue in the myoglobin chain. Research studies indicate that the blockade of myoglobin in isolated cardiac myocytes mimics hypoxia when electrically stimulated for paced contractions. During fetal development, myoglobin is required to support cardiac function. Serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles.

## Research Area

## Image Data



Western blot analysis of Myoglobin expression in Human heart muscle lysate.

## Note

For research use only.