

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

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IF-P
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<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

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:5000,IHC 1:200-1:500,ICC/IF 1:20-1:200,IF-P 1:200-1:500
<b>Molecular Weight</b>	17kDa

**Antigen Information**

<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
<b>Immunogen</b>	A synthetic peptide of human Myoglobin

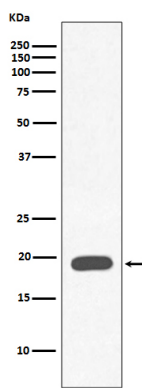
**Background**

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.