

## Product datasheet for **AP55092PU-N**

### Mb Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/1000-1/5000. <b>Immunohistochemistry:</b> 1/100-1/1000.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from C-terminal domain of Mouse Mb protein.
Specificity:	Reacts with Mouse 17 kDa protein. May cross-react with Rat and Human due to sequence homology.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	myoglobin
Database Link:	<a href="#">Entrez Gene 17189 Mouse P04247</a>



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**Background:**

Myoglobin (MB), with 154-amino acid protein (about 17kDa), is a member of the globin superfamily and expression of myoglobin is highest in skeletal and cardiac muscle. Functionally, myoglobin is well accepted as an O<sub>2</sub>-storage protein in muscle, capable of releasing O<sub>2</sub> during periods of hypoxia or anoxia. Myoglobin is also thought to buffer intracellular O<sub>2</sub> concentration when muscle activity increases and to facilitate intracellular O<sub>2</sub> diffusion by providing a parallel path that augments simple diffusion of dissolved O<sub>2</sub>. Furthermore, myoglobin is used together with cTnI or cTnT in clinical practise for better specificity in AMI diagnosis.

**Synonyms:**

MB