

Mouse Monoclonal Antibody to Myoglobin

Catalogue Number	sAP-0074
Target Molecule	<p>Name: Myoglobin</p> <p>Aliases: PVALB; MGC13548; MB</p> <p>MW: N/A</p> <p>Entrez Gene ID: 4151</p>
Description	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 ₂ -storage protein in muscle, capable of releasing O ₂ during periods of hypoxia or anoxia. Myoglobin is also thought to buffer intracellular O ₂ concentration when muscle activity increases and to facilitate intracellular O ₂ diffusion by providing a parallel path that augments simple diffusion of dissolved O ₂ . Furthermore, myoglobin is used together with cTnI or cTnT in clinical practise for better specificity in AMI diagnosis.
Immunogen	Purified recombinant fragment of Myoglobin expressed in E. Coli.
Reactive Species	Human;
Clone	MM5A2G8;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. George A. Ordway, Daniel J. Garry. J. Exp. Biol., Sep 2004; 207: 3441-3446. ; 2. Ulrich Floel, Tim Laussmann, Axel Goecke. Circ. Res., Apr 2005; 96: e68 - e75. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**