

Myoglobin Ab

[Images\(1\)](#)

Cat.#: BF0424	Concn.: ~1mg/ml	Mol.Wt.: 17kDa.
Size:	Source: Mouse	Clonality: Monoclonal

Application: ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000
 *The optimal dilutions should be determined by the end user.

Reactivity: Human

Storage: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: Affinity-chromatography.

Immunogen: Purified recombinant fragment of human Myoglobin expressed in E. Coli.

Uniprot: P02144

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 O₂-storage protein in muscle, capable of releasing O₂ during periods of hypoxia or anoxia. Myoglobin is also thought to buffer intracellular O₂ concentration when muscle activity increases and to facilitate intracellular O₂ diffusion by providing a parallel path that augments simple diffusion of dissolved O₂. Furthermore, myoglobin is used together with cTnI or cTnT in clinical practise for better specificity in AMI diagnosis.

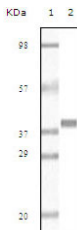


Figure 1: Western blot analysis using Myoglobin mouse mAb against truncated Myoglobin recombinant protein(AA: 2-154).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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