

## Anti-Myoglobin/MB Antibody

Catalog Number: PA1826

### About MB

Myoglobin (MB) also known as PVALB, is a single-chain globular protein of 153 or 154 amino acids, containing a heme (iron-containing porphyrin) prosthetic group in the center around which the remaining apoprotein folds. It is a member of the globin superfamily and is expressed in skeletal and cardiac muscles. This gene is mapped to chromosome 22q11-q13. Myoglobin is released from damaged muscle tissue (rhabdomyolysis), which has very high concentrations of myoglobin. The released myoglobin is filtered by the kidneys but is toxic to the renal tubular epithelium and so may cause acute renal failure.

### Overview

Product Name	Anti-Myoglobin/MB Antibody
Reactive Species	Human
Description	Boster Bio Anti-Myoglobin/MB Antibody catalog # PA1826. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02144

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Myoglobin.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

## Anti-Myoglobin/MB Antibody (PA1826) Images



Anti-Myoglobin antibody, PA1826, Western blotting  
Lane 1: Human Placenta Tissue Lysate  
Lane 2: Human Placenta Tissue Lysate

## 2 Publications Citing This Product

1. PubMed ID: 25659681, Xu H, He J, Zhang Y, Fan L, Zhao Y, Xu T, Nie Z, Li X, Huang Z, Lu B, Xu P. Carbohydr Polym. 2015 May 5;121:132-9. Doi: 10.1016/J.Carbpol.2014.12.057. Epub 2015 Jan 3. Synthesis And In Vitro Evaluation Of A Hyaluronic Acid-Quantum Dots-Melphalan C...
2. PubMed ID: 21586274, Peng L, Yanjiao M, Ai-Guo W, Pengtao G, Jianhua L, Ju Y, Hongsheng O, Xichen Z. Biochem Biophys Res Commun. 2011 Jun 3;409(2):344-9. Doi: 10.1016/J.Bbrc.2011.05.021. Epub 2011 May 8. A Fine Balance Between Ccn1 And Timp1 Contributes To The Develo...

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