

Anti-Myoglobin Mb Antibody (Monoclonal, MG-1)

Catalog Number: MA1062

About Mb

Human myoglobin has 152 residues. Two myoglobin variants were found. The myoglobin locus mapped to 22q11-22q13. The myoglobin gene is about 10.5 kb long and contains two introns as in the case with hemoglobin genes. Myoglobin may serve a variety of functions in muscular oxygen supply, such as O₂ storage, facilitated O₂ diffusion, and myoglobin-mediated oxidative phosphorylation.

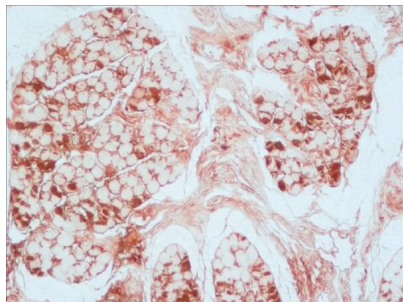
Overview

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|----------------------|---|
| Product Name | Anti-Myoglobin Mb Antibody (Monoclonal, MG-1) |
| Reactive Species | Human |
| Description | Boster Bio Anti-Myoglobin Mb Antibody (Monoclonal, MG-1) catalog # MA1062. Tested in IHC applications. This antibody reacts with Human. |
| Application | IHC |
| Clonality | Monoclonal MG-1 |
| Formulation | Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN ₃ . |
| 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 | Mouse |
| Uniprot ID | Q9QZ76 |

Technical Details

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|-------------------------------|---|
| Immunogen | Purified human skeletal muscle myoglobin. |
| Recommended Detection Systems | Boster recommends HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P). |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Mouse IgG1 |
| Form | Lyophilized |
| Concentration | Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml. |
| Purification | Ascites |
| Suggested Dilutions | Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human |

Anti-Myoglobin Mb Antibody (Monoclonal, MG-1) (MA1062) Images



IHC analysis of Myoglobin using anti-Myoglobin antibody (MA1062). Myoglobin was detected in a paraffin-embedded section of human tongue tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-Myoglobin Antibody (MA1062) overnight at 4°C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB as the chromogen.

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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