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## **Human Myoglobin antibody**

Catalog Number: ATGA0217

## **PRODUCT INFORMATION**

## Catalog number

ATGA0217

#### Clone No.

AT6E10

## **Product type**

Monoclonal Antibody

#### UnitProt No.

P02144

#### **NCBI Accession No.**

NP 976312

#### **Alternative Names**

Myoglobin, PVALB

## **PRODUCT SPECIFICATION**

## **Antibody Host**

Mouse

#### **Reacts With**

Human

#### Concentration

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

#### **Immunogen**

Recombinant human MB(1-154aa) purified from E. coli

### Isotype

IgG1 kappa

## **Purification Note**

By protein-G affinity chromatography

## **Application**

ELISA, WB

#### Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

## **Storage**



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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

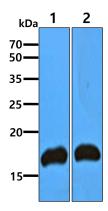
MB (Myoglobin) is an an iron- and oxygen-binding protein. It is found in abundance in the muscle tissue of vertebrates in general and in almost all mammals. MB (myglobin) is related to hemoglobin, which consists of four myoglobin-like subunits that form a tetramer and are responsible for carrying oxygen in blood. The only time myoglobin is found in the bloodstream is when it is released following muscle injury. It is an abnormal finding, and can be diagnostically relevant when found in blood.

#### **General References**

George A., et al. (2004). Journal of Experimental Biology 207 (Pt 20): 3441-6. Akaboshi E (1985). Gene 33 (3): 241-9. J. P. Collman., et al. (2004). Chem. Rev. 104 (2): 561-588.

## **DATA**

## Western blot analysis (WB)



The tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Myoglobin antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Mouse Muscle Tissue lysate Lane 2.: Mouse Heart Tissue lysate

