

For Research Use Only

# Myoglobin Monoclonal antibody, PBS Only



Catalog Number: 66205-1-PBS

## Basic Information

Catalog Number: 66205-1-PBS	GenBank Accession Number: BC014547	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 4151	CloneNo.: 1A4F7
Source: Mouse	UNIPROT ID: P02144	
Isotype: IgG1	Full Name: myoglobin	
Immunogen Catalog Number: AG8979	Calculated MW: 154 aa, 17 kDa	
	Observed MW: 17-18 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IHC, WB

**Species Specificity:**  
rabbit, pig, rat, mouse, human

## Background Information

Myoglobin is a cytoplasmic hemoprotein that is expressed primarily in cardiomyocytes and oxidative skeletal muscle fibers, functioning on facilitating oxygen transport and modulating nitric oxide homeostasis within cardiac and skeletal myocytes. Recent studies indicated that myoglobin was also expressed in non-muscle tissues. This antibody well recognized endogenous myoglobin in muscle lysates.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

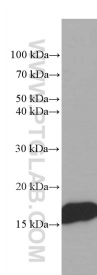
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

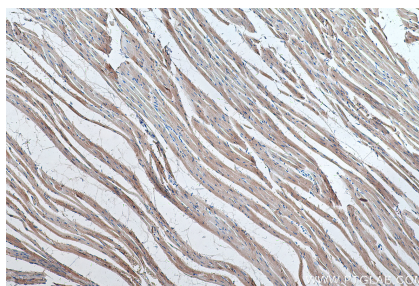
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

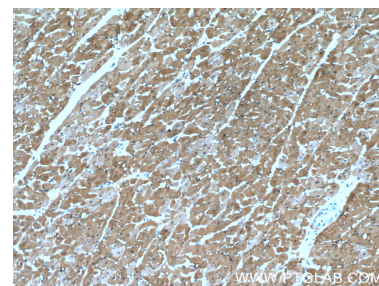
## Selected Validation Data



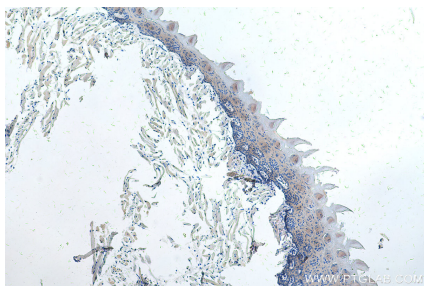
human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66205-1-Ig (Myoglobin antibody at dilution of 1:50000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66205-1-PBS in a different storage buffer formulation.



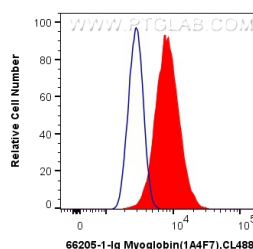
Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 66205-1-Ig (Myoglobin antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66205-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66205-1-Ig (Myoglobin antibody at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 66205-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using 66205-1-Ig (Myoglobin antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66205-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> C2C12 cells were intracellularly stained with 0.4 ug Anti-Human Myoglobin (66205-1-Ig, Clone:1A4F7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66205-1-PBS in a different storage buffer formulation.