

Myoglobin Antibody [clone MG-1] (R30054)

Catalog No.	Formulation	Size
R30054	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

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Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	MG-1
Purity	Ascites
Gene ID	4151
Localization	Cytoplasmic
Applications	Western Blot : 2-4ug/ml IHC(P) : 2-4ug/ml
Limitations	This Myoglobin antibody is available for research use only.



Western blot testing of Myoglobin antibody and rat skeletal muscle tissue lysate.
Predicted molecular weight ~17 kDa.

Description

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. Two myoglobin variants were found. The 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Myoglobin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Purified human skeletal muscle myoglobin was used as the immunogen for this Myoglobin antibody.

Storage

The lyophilized Myoglobin antibody can be stored at 4°C to -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.