

Datasheet for 200-301-P42**Myoglobin Antibody****Overview**

Description:	Anti-Myoglobin (MOUSE) Antibody - 200-301-P42
Item No.:	200-301-P42
Size:	100 µg
Applications:	IHC
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	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 O(2) storage, facilitated O(2) diffusion, and myoglobin-mediated oxidative phosphorylation. This antibody is suitable for researchers interested in cancer research.
Synonyms:	PVALB
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	MG-1
Format:	IgG1

Target Details

Gene Name:	MB
Reactivity:	Human
Immunogen Type:	Other
Immunogen:	Myoglobin antibody was produced in mice by repeated immunizations with purified human skeletal muscle myoglobin.

Purity/Specificity:	Anti-Myoglobin antibody was purified from mouse ascites by protein A chromatography. This product reacts with human. Cross reactivity with Myoglobin from other sources has not been determined.
Relevant Links:	• UniProtKB - P02144 • GeneID - 4151 • NCBI - NP_005359.1

Application Details

Tested Applications:	IHC
Application Note:	Anti-Myoglobin is tested for Immunohistochemistry-P. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~17.2 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1:100-1:500

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	1.2% sodium acetate
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	2mg BSA
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Neutral PBS

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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