

Product datasheet for **AM20645PU-N**

Myoglobin (MB) Mouse Monoclonal Antibody [Clone ID: JAN-12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	JAN-12
Applications:	IHC, IP, WB
Recommended Dilution:	Western Blot: 0.5 - 2 µg/ml. Immunohistochemistry on paraffin sections: 1 - 2 µg/ml.
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts to Myoglobin.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	myoglobin
Database Link:	Entrez Gene 59108 Rat Entrez Gene 4151 Human P02144



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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.

Synonyms:

MB