

Product datasheet for **AM20643PU-N**

CMH1 (MYH7) (slow) Mouse Monoclonal Antibody [Clone ID: IML-64]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IML-64
Applications:	IHC, 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
Immunogen:	Human skeletal muscle myosin purified from myofibrils
Specificity:	This antibody reacts to Myosin-7 (slow).
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
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:	myosin, heavy chain 7, cardiac muscle, beta
Database Link:	Entrez Gene 287408 Rat Entrez Gene 4625 Human P12883



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Background:	Myosin is composed of 2 heavy chains of about 200,000 daltons each and 4 light chains of about 20,000 daltons each. The light chains are of 2 distinct types: the phosphorylatable, regulatory, or MLC2 type, and the nonphosphorylatable, alkali, or MLC1 and MLC3 types (MYL1 according to the HGM symbols). Skeletal Myosin (Fast), also known as MYL1, mapped to the region 2q32.1-qter. Southern blots of a panel of hybrids containing different portions of human chromosome 16 localized the gene to 16p13.13-p13.12. Skeletal Myosin (slow), also known as light chain 3 (MYL3), mapped to 3p. Fodor et al. (1989) found that the MYL3 gene has 7 exons, the last of which is completely untranslated 3-prime sequence.
Synonyms:	MYH7, MYHCB, cardiac muscle beta, MyHC-slow
Protein Pathways:	Tight junction, Viral myocarditis