

Product datasheet for **AM20644PU-N**

smooth muscle Myosin heavy chain 11 (MYH11) (smooth) Mouse Monoclonal Antibody [Clone ID: MS-13]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MS-13
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 0.25 - 0.5 µg/ml. Immunohistochemistry on frozen and paraffin sections: 0.5 - 1 µg/ml.
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human uterus smooth muscle extract
Specificity:	This antibody reacts to Myosin-11 (smooth).
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 11, smooth muscle
Database Link:	Entrez Gene 24582 Rat Entrez Gene 4629 Human P35749



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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:	SMMHC, MYH11, KIAA0866, Myosin heavy chain 11, smooth muscle
Protein Pathways:	Tight junction, Vascular smooth muscle contraction, Viral myocarditis