ANGIO-PROTEOMIE
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DATA SHEET

Mouse Monoclonal Antibody to MYL3

Cataloge Number	sAP-0283
Target Molecule	**Name: MYL3** **Aliases:** CMH8; VLC1; MLC1V; MLC1SB **MW: 22kDa** **Entrez Gene ID: 4634**
Descrption	Myosins are a large superfamily of motor proteins that move along actin filaments, while hydrolyzing ATP. Myosin is the major component of thick muscle filaments, and is a long asymmetric molecule containing a globular head and a long tail. The molecule consists of two heavy chains and four light chains. Activation of smooth and cardiac muscle primarily involves pathways which increase calcium and myosin phosphorylation resulting in contraction. Myosin light chain phosphatase acts to regulate muscle contraction by dephosphorylating activated myosin light chain. MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Human myosin light chain has clinical application as a cardiac marker. Mutations in MYL3 have been identified
Immunogen	Purified recombinant fragment of MYL3 expressed in E. Coli.
Recitative Species	Human
Clone	MM7C1;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstitued with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Xie B, et al. Biophys Chem. 2003 Oct 1;106(1):57-66. ; 2. Haase H, et al. FASEB J. 2006 May;20(7):865-73.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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