

Myosin Heavy Chain Monoclonal Antibody

Cat #: ABM40058

Size: 30µl /100µl /200µl

Product Information

	Product Name: Myosin Heavy Chain Monoclonal Antibody		
	Applications: IF		Isotype: Mouse IgG1
	Reactivity: Human, Mouse, Rat, Fruit Fly, Nematode		
REF	Catalog Number: ABM40058	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: Skeletal muscle Myosin or myosin II is the motor protein that generates force to drive muscle contraction. It is a 520 kDa hexamer comprised of two heavy chains and four light chains. Myosin heavy chain is 220 kDa in size and consists of a long coiled-coil domain tail that mediates dimerization of the two heavy chains and a globular head region that mediates ATP-dependent sliding of actin filaments. Myosin heavy chain can be proteolytically cleaved to produce heavy meromyosin, which includes the S1 motor domain (head region) and first third of the coiled coil domain, and light meromyosin, which includes the C-terminal two thirds of the coiled coil domain.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IF (1:100).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

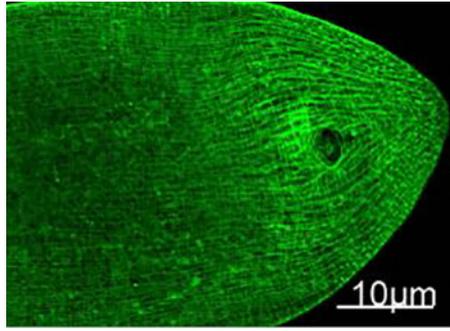


Fig. Immunofluorescence Staining of nematode tissue with MYH Mouse mAb (11C2) diluted at 1:100 (Provide by Tsinghua University) .

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