

**Product Name: Myosin Heavy Chain(11C2)Mouse
Monoclonal Antibody
Catalog #: AMM14341**

Summary

Production Name	Myosin Heavy Chain(11C2)Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC/IF
Reactivity	Human,Mouse,Rat,FruitFly,Nematode

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS, pH 7.4, containing 0.5%protective protein, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Immunogen

Gene Name	
Alternative Names	
Gene ID	
SwissProt ID	.Synthetic Peptide of Myosin Heavy Chain

Application

Dilution Ratio	ICC/IF 1:100-1:200
Molecular Weight	220kDa

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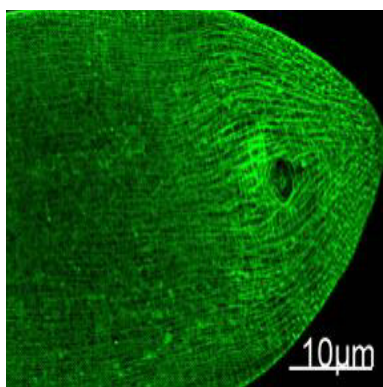


Background

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.

Research Area

Image Data



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

Note

For research use only.