

Datasheet for ABIN7211938  
**anti-Myosin Heavy Chain antibody**



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1 Image

## Overview

Quantity:	100 µL
Target:	Myosin Heavy Chain
Reactivity:	Human, Mouse, Rat, Drosophila melanogaster, Nematode
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Myosin Heavy Chain antibody is un-conjugated
Application:	Immunofluorescence (IF)

## Product Details

Purpose:	Myosin Heavy Chain Monoclonal Antibody
Immunogen:	Synthetic Peptide
Isotype:	IgG1
Specificity:	The antibody detects endogenous MHC proteins.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen

## Target Details

Target:	Myosin Heavy Chain
Abstract:	<a href="#">Myosin Heavy Chain Products</a>
Background:	Mouse Anti-Myosin Heavy Chain Monoclonal Antibody, Myosin Heavy Chain, Skeletal muscle

## Target Details

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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. Myosin Heavy Chain

Molecular Weight: observed band 220kDa

## Application Details

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

Comment: Primary Antibody

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

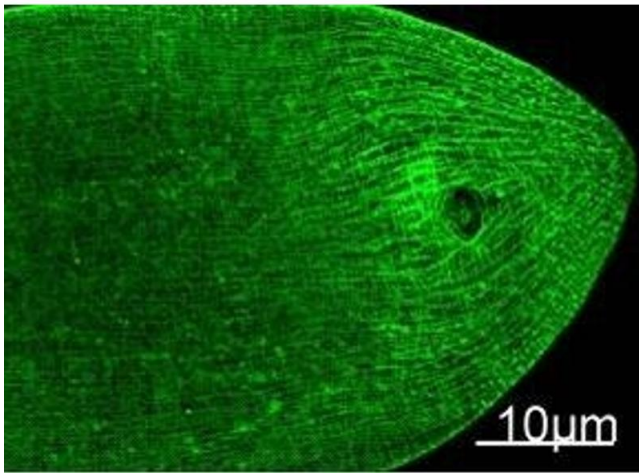
Buffer: PBS, pH 7.4, containing 0.02 % Sodium Azide as preservative and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: 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.



#### Immunofluorescence

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