

Myosin Heavy Chain Mouse mAb

Cat No: HR1AM2169

For research use only

Overview

Product Name	Myosin Heavy Chain Mouse mAb
Source	Mouse
Applications	IHC, IF
Species Reactivity	Human,Mouse,Rat,FruitFly,Nematode
Recommended Dilutions	IHC 1:200 IF 1:100
Immunogen	
Species	Mouse
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	220kDa
GeneID?Human?	4619
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Bsh, CG17927, Dm II, Dmel\CG17927, DmMHC, DROMHC, DroMII, FBgn0002741, Ifm(2)2, l(2)36Ae, l(2)k10423, l(2)M66, Mhc, Mhc36B, mMHC, MRP, Myo, Myosin heavy chain, Nup, Sht, sMHC, Stp
Background	Muscle myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC), 2 alkali light chain subunits (MLC) and 2 regulatory light chain subunits (MLC-2). Cardiac MHC exists as two isoforms in humans, alpha-cardiac MHC and beta-cardiac MHC. These two isoforms are expressed in different amounts in the human heart. During normal physiology, beta-cardiac MHC is the predominant form, with the alpha-isoform contributing around only 7% of the total MHC. Mutations of the MHC genes are associated with several different dilated and hypertrophic cardiomyopathies.