



Anti-MYH Mouse Monoclonal Antibody(9B1)

Catalog No.	EM42161-01	EM42161-02
Size	50µl	100µl
Species	Human Mouse Rat Fruit Fly Nematode	Molecular 220KD

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.

Specificity: The Myosin Heavy Chain Mouse Monoclonal antibody detects endogenous MHC proteins.

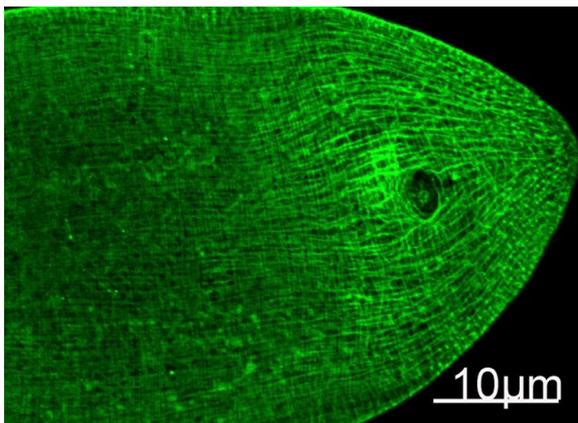
Application: IHC: 1:200 IF: 1:100

Optimal dilutions/concentrations should be determined by the end user.

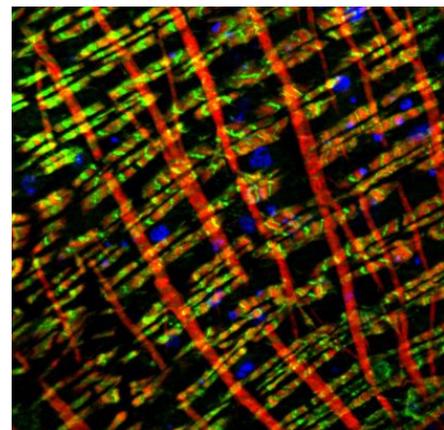
Form: Liquid ,1mg/ml

Storage buffer: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

Storage: Store at -20°C. Do not aliquot the antibody.



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



Immunofluorescence double Staining of fruit fly tissue with MYH mouse mAb(Green) and F-actin mouse mAb(red) (Provide by NIBS).

