



Cardiac Troponin T Monoclonal Antibody (13-11)

Catalog Number: MA5-12960

Product Data Sheet

Details		Species Reactivity	
Size	500 µL	Tested species reactivity	Avian, Canine, Chicken, Fish, Guinea Pig, Human, Mouse, Porcine, Rabbit, Rat
Host / Isotype	Mouse / IgG1		Published Species Reactivity
Class	Monoclonal	Tested Applications	
Type	Antibody		Immunofluorescence (IF)
Clone	13-11	Immunocytochemistry (ICC)	1:100-1:500
Immunogen	Purified rabbit cardiac troponin T isoform (TnT4R)	Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/ml
Form	Liquid	Published Applications	
Concentration	0.2mg/ml	Flow Cytometry (Flow)	See 22 publications below
Purification	Protein G	Immunocytochemistry (ICC)	See 38 publications below
Storage Buffer	PBS, pH 7.4, with 0.2% BSA	Immunohistochemistry (IHC)	See 31 publications below
Contains	0.09% sodium azide	Immunohistochemistry (Frozen) (IHC (F))	See 3 publications below
Storage Conditions	4° C	Immunohistochemistry (Paraffin) (IHC (P))	See 1 publications below
		Miscellaneous (Misc)	See 1 publications below
		Western Blot (WB)	See 5 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product Specific Information

MA5-12960 targets Troponin T Cardiac Isoform in IF/ICC, IHC (P), and IM applications and shows reactivity with Avian, Canine, Chicken, Fish, Guinea Pig, Human, mouse, Porcine, Rabbit, and Rat samples.

The MA5-12960 immunogen is purified rabbit cardiac troponin T isoform (TnT4R).

Background/Target Information

Troponin T is a thin filament regulatory protein of striated muscle that binds to troponin C and I and to tropomyosin and is required for calcium-dependent ATPase activity of myofibrillar proteins. It is important in proper muscle function and myofibril formation. In the human heart, four cTnT isoforms are expressed in a developmentally regulated manner. This expression in the human heart is affected by heart failure.

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