

# Cardiac Troponin I Monoclonal Antibody (C5)

## Product Details

Size	200 µg
Species Reactivity	Bovine, Dog, Cat, Fish, Goat, Human, Mouse, Pig, Rabbit, Rat
Published Species	Mouse
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	C5
Conjugate	Unconjugated
Immunogen	Free, human cardiac troponin and/or native troponin complex.
Form	Liquid
Concentration	2.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_561835

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
Immunohistochemistry (IHC)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Affinity Purification (AP)	Assay-dependent	-

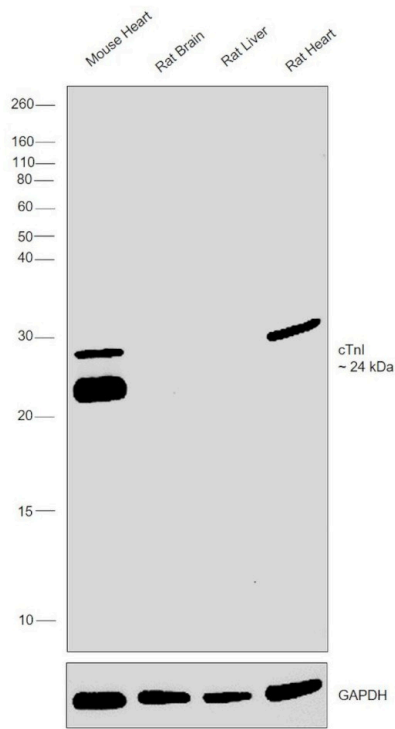
## Product Specific Information

MA1-20118 detects cardiac troponin 1 in human samples.

Product Images For Cardiac Troponin I Monoclonal Antibody (C5)

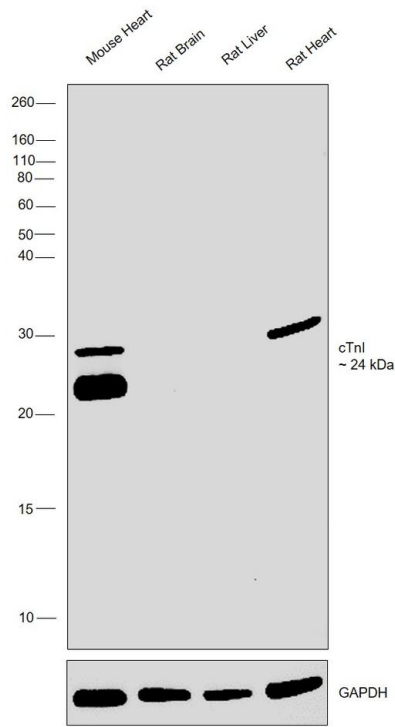
Cardiac Troponin I Antibody (MA1-20118)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of Cardiac Troponin I was observed in Rat Heart in comparison to Rat Brain and Rat Liver using Cardiac Troponin I Monoclonal Antibody (C5) (Product # MA1-20118) in Western Blot. {RE}



Cardiac Troponin I Antibody (MA1-20118) in WB

Western blot was performed using anti-Cardiac Troponin I Monoclonal Antibody (C5) (Product # MA1-20118). A 24 kDa band corresponding to Cardiac Troponin I was observed in Rat Heart, a 21 kDa band corresponding to Cardiac Troponin I was observed in Mouse Heart and a 25 kDa band corresponding to the light chain of Mouse IgG was observed in Mouse Heart. Tissue extracts (50 µg lysate) of Mouse Heart (Lane 1), Rat Brain (Lane 2), Rat Liver (Lane 3) and Rat Heart (Lane 4) were electrophoresed using Novex™ 16% Tris-Glycine Gel (Product # XP00160BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Western Blot (1)

Marine drugs	Year 2012
Anti-melanogenic property of geoditin A in murine B16 melanoma cells.	Species Mouse
"MA1-20118 was used in western blot to investigate the anti-melanogenic properties of geoditin A."	
Authors: Cheung FWK,Guo J,Ling YH,Che CT,Liu WK	

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