

Cardiac Troponin I Monoclonal Antibody (MF4)

Product Details

Size	200 µg
Species Reactivity	Bovine, Dog, Cat, Goat, Human, Mouse, Pig, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	MF4
Conjugate	Unconjugated
Immunogen	Free, human cardiac troponin and/or native troponin complex.
Form	Liquid
Concentration	6.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_2206415

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

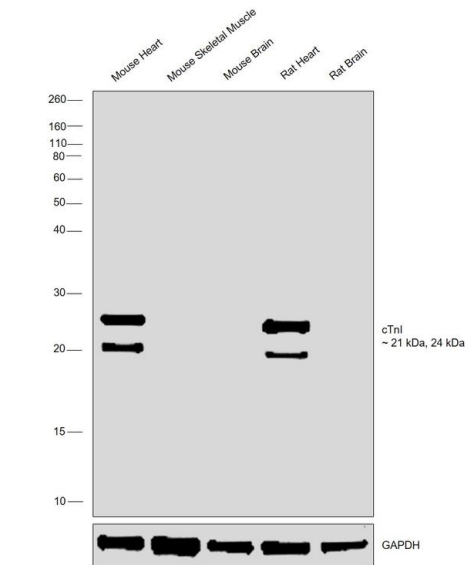
Product Specific Information

MA1-20123 detects cardiac troponin 1 in rat, bovine, feline, canine, porcine and human samples.

Product Images For Cardiac Troponin I Monoclonal Antibody (MF4)

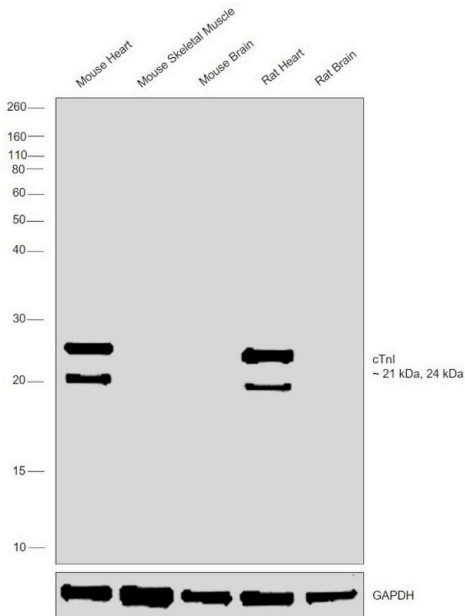
Cardiac Troponin I Antibody (MA1-20123) in WB

Western blot was performed using Cardiac Troponin I Monoclonal Antibody (MF4) (Product # MA1-20123). A 24 kDa band corresponding to cTnI was observed in Rat Heart, a 21 kDa band corresponding to cTnI was observed in Mouse Heart and Rat Heart and a 25 kDa band corresponding to the light chain of Mouse IgG was observed in Mouse Heart. Tissue extracts (30 µg lysate) of Mouse Heart (Lane 1), Mouse Skeletal Muscle (Lane 2), Mouse Brain (Lane 3), Rat Heart (Lane 4) and Rat Brain (Lane 5) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). 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).



Cardiac Troponin I Antibody (MA1-20123)

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 cTnI was observed in Mouse Heart and Rat Heart in comparison to Mouse Brain and Rat Brain respectively using Cardiac Troponin I Monoclonal Antibody (MF4) (Product # MA1-20123) in Western Blot. {RE}



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