

# Cardiac Troponin T Monoclonal Antibody (7G7)

Product Details	
Size	200 µg
Species Reactivity	Bovine, Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	7G7
Conjugate	Unconjugated
Immunogen	Full length human protein.
Form	Liquid
Concentration	5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_795622

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	-
ELISA (ELISA)	Assay-dependent	-
Affinity Purification (AP)	Assay-dependent	-

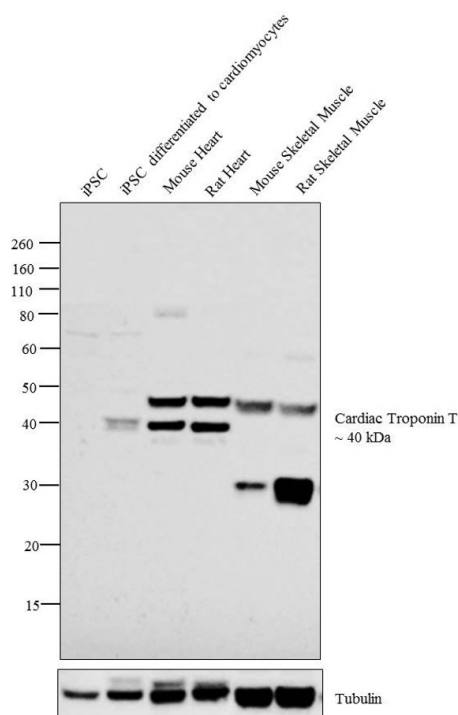
## Product Specific Information

MA1-24621 will not react with mouse, rat, feline, canine, fish, goat, porcine, or rabbit.

## Product Images For Cardiac Troponin T Monoclonal Antibody (7G7)

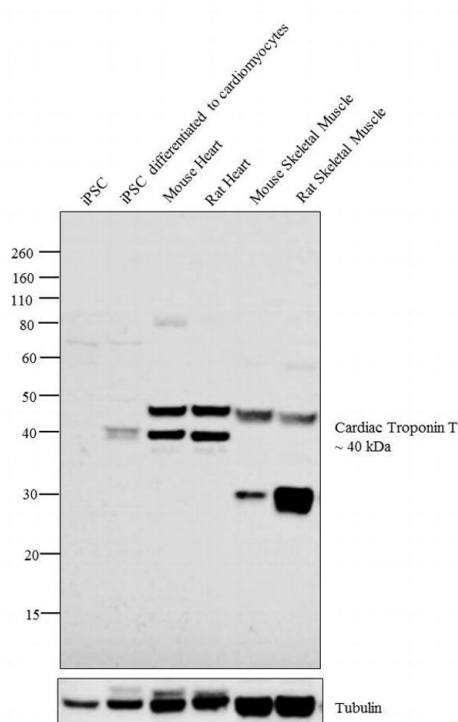
### Cardiac Troponin T Antibody (MA1-24621)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Expression of Cardiac Troponin T was observed specifically in Cardiomyocytes, Mouse Heart and Rat Heart using Anti-Cardiac Troponin T Monoclonal Antibody (7G7) (Product # MA1-24621) in Western Blot. {RE}



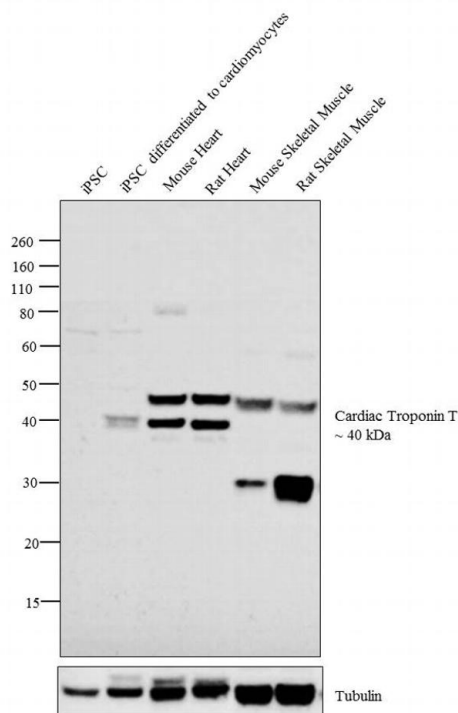
### Cardiac Troponin T Antibody (MA1-24621) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of iPSC (Lane 1), iPSC differentiated to Cardiomyocytes (Lane 2), tissue extracts (30 µg lysate) of Mouse Heart (Lane 3), Rat Heart (Lane 4), Mouse Skeletal Muscle (Lane 5) and Rat Skeletal Muscle (Lane 6). The blot was probed with Anti-Cardiac Troponin T Monoclonal Antibody (7G7) (Product # MA1-24621, 1:500 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/ml, 1:4000 dilution). A 40 kDa band corresponding to Cardiac Troponin T was detected in Cardiomyocytes, Mouse Heart and Rat Heart and not in Mouse and Rat Skeletal Muscle which are reported negative for Cardiac Troponin T expression.



## Cardiac Troponin T Antibody (MA1-24621)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Cardiac Troponin T Monoclonal Antibody (7G7) (Product # MA1-24621), shows increased expression of proteins in iPSC differentiated to Cardiomyocytes as compared to undifferentiated iPSCs. {TM}



For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.