

Mouse Cardiac Troponin I (cTnI) Monoclonal Antibody | anti-cTnI antibody

Monoclonal Antibody to Cardiac Troponin I (cTnI)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA152690	Mouse	Human, Rat, Pig	Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot

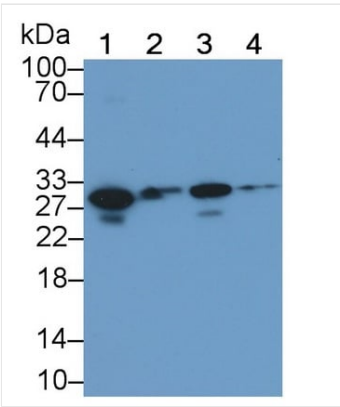
PRODUCT SYNONYMS

Cardiac Troponin I (cTnI); Monoclonal Antibody; Monoclonal Antibody to Cardiac Troponin I (cTnI); Cardiac Troponin I; TNNI3; TNNC1; CMH7; C-TnI; Troponin I Type 3; Cardiac; anti-cTnI antibody

PRODUCT SPECIFICATIONS

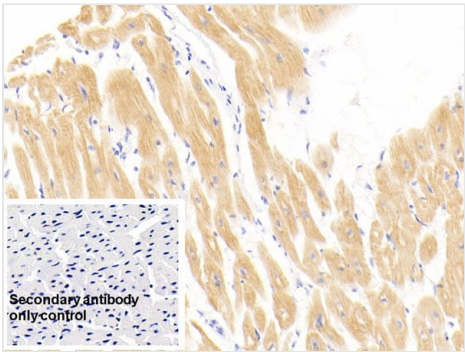
Host	Mouse
Reactivity	Human, Rat, Pig
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	J5
Specificity	The antibody is a mouse monoclonal antibody raised against cTnI. It has been selected for its ability to recognize cTnI in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Ala2~Ser210
Applicable Applications for anti-cTnI antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Cardiac Troponin I (cTnI)
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



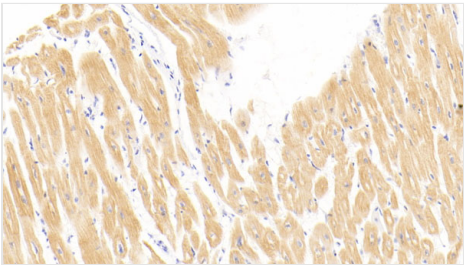
WB (Western Blot)

Western Blot; Sample: Lane1: Porcine Heart lysate; Lane2: Porcine Skeletal muscle lysate; Lane3: Rat Heart lysate; Lane4: Rat Skeletal muscle lysate Primary Ab: 2ug/ml Mouse Anti-human cTnI Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)

DAB staining on IHC-P; Sample: human Cardiac Muscle Tissue Primary Ab: 20ug/ml Mouse Anti-human cTnI Antibody Control: Used PBS instead of primary antibody Second Ab: 2ug/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)

DAB staining on IHC-P; Sample: human Cardiac Muscle Tissue; Primary Ab: 20ug/ml Mouse Anti-human TNNI3 Antibody Second Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-cTnI antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Cardiovascular biology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	151101270
NCBI GeneID	7137
NCBI Accession #	NP_000354.4
NCBI GenBank Nucleotide #	NM_000363.4
UniProt Accession #	P19429
Molecular Weight	24,008 Da
NCBI Official Full Name	troponin I, cardiac muscle
NCBI Official Synonym Full Names	troponin I type 3 (cardiac)
NCBI Official Symbol	TNNI3
NCBI Official Synonym Symbols	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
NCBI Protein Information	troponin I, cardiac muscle
UniProt Protein Name	Troponin I, cardiac muscle

UniProt Gene Name	TNNI3
UniProt Synonym Gene Names	TNNC1
UniProt Entry Name	TNNI3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cardiac-troponin-i-ctni-antibody-clone-j5-immunoprecipitation-immunocytochemistry-immunohistochemistry-western-blot-elisa/152690>