

Mouse anti-Human Cardiac Troponin I Monoclonal Antibody | anti-CTnI antibody

mouse anti-Human Cardiac Troponin I monoclonal Antibody

CATALOG # AAA81759	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
------------------------------	----------------------	----------------------------	------------------------------

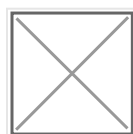
PRODUCT SYNONYMS

Cardiac Troponin I; Monoclonal Antibody; mouse anti-Human Cardiac Troponin I monoclonal Antibody; CTnI; anti-CTnI antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Specificity	Reacts equally with free cardiac troponin I and cardiac troponin I forming complexes with other troponin components. Not affected by heparin, phosphorylation and oxidation. No cross-reactivity with skeletal muscle troponin I.
Purity/Purification	>95%, Protein G Purified
Form/Format	Liquid
Sequence Length	210
Applicable Applications for anti-CTnI antibody	ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant Human Cardiac Troponin I protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-33728 / sc-130351 / sc-130350 / sc-52272 / sc-69851 / sc-376662 / sc-52274 / sc-52266 / sc-52277 / sc-133117 / sc-365446
Immunogen Species	Homo sapiens (Human)
Target Names	OPN1MW
Research Area	Neuroscience
Preparation and Storage	Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



WB (Western Blot)

All lanes: Mouse monoclonal to Human Cardiac Troponin I at 1ug/mL
Lane 1: rat heart muscle lysate
Lane 2: mouse heart muscle lysate
Lane 3: CTnI transfected SF9 cell lysate
Predicted band size: 23kd
Observed band size: 30kd

ADDITIONAL INFORMATION

Related Product Information for anti-CTnI antibody	Troponin I is part of a heteromeric complex playing an important role in the regulation of skeletal and cardiac muscle contraction. It consists of three subunits, troponin I (TnI), troponin T (TnT) and troponin C (TnC). Each subunit is responsible for part of troponin complex function. TnI inhibits ATPase activity of acto myosin and TnT and TnI are present in cardiac muscles in different forms than in skeletal muscles. Only one tissue specific isoform of TnI is described for cardiac muscle tissue (cTnI) and this is expressed only in myocardium.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	151101270
NCBI GeneID	7137
NCBI Accession #	NP_000354.4
NCBI GenBank Nucleotide #	NM_000363.4
UniProt Accession #	P19429
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cardiac-troponin-i-antibody-elisa/81759>