

Mouse Cardiac Troponin 1 ELISA Kit | cTn1 elisa kit

Mouse Cardiac Troponin 1 ELISA Kit

CATALOG #
AAA85322

REACTIVITY
Mouse

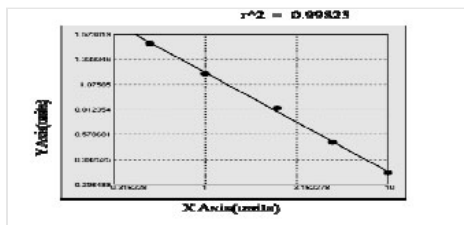
PRODUCT SYNONYMS

Cardiac Troponin 1; Mouse Cardiac Troponin 1 ELISA Kit; cTn1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cTn1 elisa kit

Intended Uses: This cTn1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse cTn1. This ELISA kit for research use only!

Principle of the Assay: cTn1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-cTn1 antibody and an cTn1-HRP conjugate. The assay sample and buffer are incubated together with cTn1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the cTn1 concentration since cTn1 from samples and cTn1-HRP conjugate compete for the anti-cTn1 antibody binding site. Since the number of sites is limited, as more sites are occupied by cTn1 from the sample, fewer sites are left to bind cTn1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The cTn1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for cTn1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456923
NCBI GeneID	7137
UniProt Accession #	Q6FGX2; P19429
Molecular Weight	24,008 Da
NCBI Official Full Name	TNNI3
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; cardiomyopathy, dilated 2A (autosomal recessive)
UniProt Protein Name	TNNI3 protein
UniProt Gene Name	TNNI3
UniProt Entry Name	Q6FGX2_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/ctn1-mouse-elisa-kits/cardiac-troponin-1/85322>