

Rabbit Cardiac Troponin 1 ELISA Kit | cTn1 elisa kit

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CATALOG #
AAA82972

REACTIVITY
Rabbit

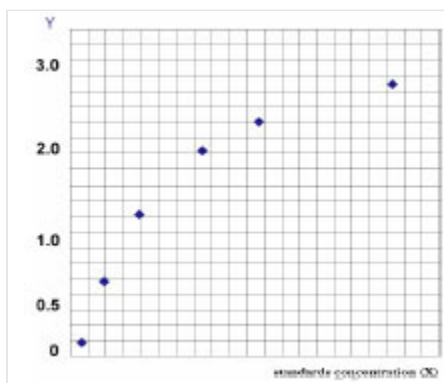
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 cTnI elisa kit	Intended Uses: This cTnI ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of cTnI in the sample, this cTnI ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus cTnI concentration. The concentration of cTnI in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: This cTnI enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for cTnI. Standards or samples are then added to the microtiter plate wells and cTnI if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of cTnI present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for cTnI are added to each well to "sandwich" the cTnI immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain cTnI and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
Product Categories/Family for cTnI 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-rabbit-elisa-kits/cardiac-troponin-1/82972>