

Guinea Pig Cardiac Troponin 1 ELISA Kit | cTn1 elisa kit

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CATALOG #
AAA83225

REACTIVITY
Guinea Pig

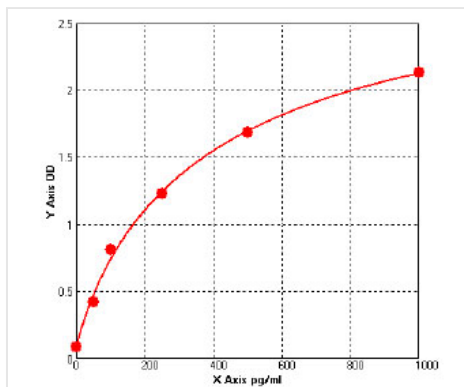
PRODUCT SYNONYMS

Cardiac Troponin 1; Guinea pig Cardiac Troponin 1 ELISA Kit; cTn1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of cTnI. No significant cross-reactivity or interference between cTnI and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between cTnI and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Sandwich
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 a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig cTnI. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: cTnI ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate 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, substrate solutions are 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 color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The cTnI concentration in each sample is interpolated from this standard curve.
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-guinea-pig-pig-elisa-kits/cardiac-troponin-1/83225>