

Human Troponin I Type 3, Cardiac ELISA Kit | cTnI elisa kit

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CATALOG #
AAA86696

REACTIVITY
Human

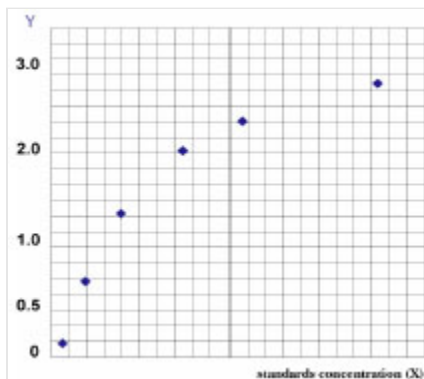
PRODUCT SYNONYMS

Troponin I Type 3; Cardiac; Human Troponin I Type 3; Cardiac ELISA Kit; cTnI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL /1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This cTnI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human cTnI. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cTnI elisa kit	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	Signal Transduction

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/ctni-human-elisa-kits/troponin-i-type-3-cardiac/86696>