

Rat Troponin I ELISA Kit | Tn- I elisa kit

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CATALOG #
AAA83201

REACTIVITY
Rat

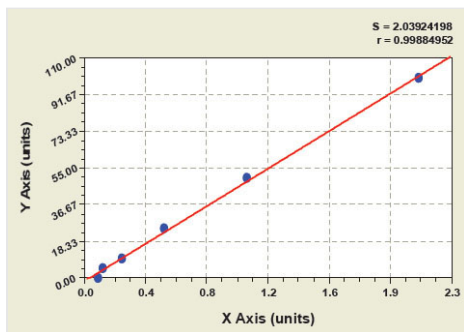
PRODUCT SYNONYMS

Troponin I; Rat Troponin I ELISA Kit; Tn- I elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This TN-IELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TN-I. 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 Tn- I elisa kit

Principle of the Assay: TN-IELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Tn- I. Standards or samples are then added to the microtiter plate wells and TN-I if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TN-I present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for TN-I are added to each well to "sandwich" the TN-I 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 TN-I 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 TN-I concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	100136571
NCBI Official Full Name	troponin I
NCBI Protein Information	troponin I

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/tn-i-rat-elisa-kits/troponin-i/83201>