

Mouse Troponin I ELISA Kit | Tn- I elisa kit

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CATALOG #
AAA86898

REACTIVITY
Mouse

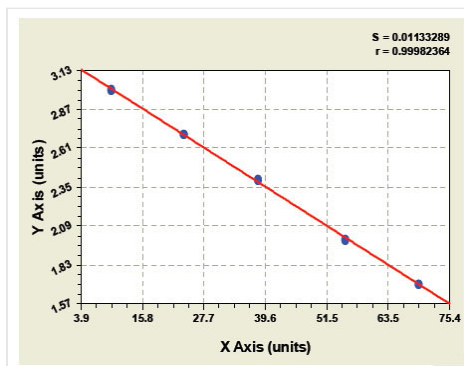
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This Tn-I ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse 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-I ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Tn-I antibody and an Tn-I-HRP conjugate. The assay sample and buffer are incubated together with Tn-I-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 Tn-I concentration since Tn-I from samples and Tn-I-HRP conjugate compete for the anti-Tn-I antibody binding site. Since the number of sites is limited, as more sites are occupied by Tn-I from the sample, fewer sites are left to bind Tn-I-HRP conjugate. 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-mouse-elisa-kits/troponin-i/86898>