

Human Cardiac Troponin-I ELISA Kit | cTnI elisa kit

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CATALOG #
AAA100948

REACTIVITY
Human

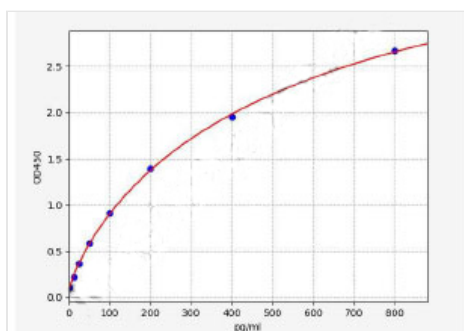
PRODUCT SYNONYMS

Cardiac Troponin-I; Human Cardiac Troponin-I ELISA Kit; cTnI/TNNC1/CMD1FF/CMD2A/CMH7/RCM1/cTn-I/TNNI3; cTnI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	799
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	12.5-800pg/ml
Sensitivity	7.5pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cTnI elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and b iotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	168830925
Molecular Weight	89,355 Da
NCBI Official Full Name	CtnI
UniProt Protein Name	CtnI
UniProt Gene Name	ctnI
UniProt Entry Name	B8PXM3_9EURO

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/cardiac-troponin-i/100948>