

Bovine Cardiac Troponin 1 ELISA Kit | cTn1 elisa kit

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CATALOG #
AAA17204

REACTIVITY
Bovine

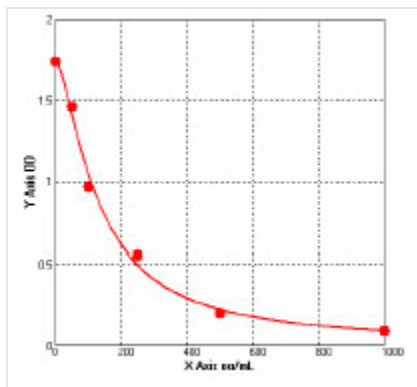
PRODUCT SYNONYMS

Cardiac Troponin 1; Bovine Cardiac Troponin 1 ELISA Kit; cTn1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/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	Principle of the Assay: cTnI ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-cTnI antibody and an cTnI-HRP conjugate. The assay sample and buffer are incubated together with cTnI-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 cTnI concentration since cTnI from samples and cTnI-HRP conjugate compete for the anti-cTnI antibody binding site. Since the number of sites is limited, as more sites are occupied by cTnI from the sample, fewer sites are left to bind cTnI-HRP conjugate. 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. Intended Uses: This cTnI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine cTnI. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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-bovine-ovine-elisa-kits/cardiac-troponin-1/17204>