

## Rat Cardiac Troponin T (cTn-T) ELISA Kit | cTn-T elisa kit

Rat Cardiac Troponin T, cTn-T ELISA Kit

CATALOG #  
**AAA80892**

REACTIVITY  
**Rat**

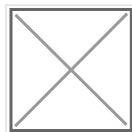
### PRODUCT SYNONYMS

Cardiac Troponin T (cTn-T); Rat Cardiac Troponin T; cTn-T ELISA Kit; Rat Cardiac Troponin T (cTn-T) ELISA kit; cTn-T elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat cTn-T. No significant cross-reactivity or interference between Rat cTn-T and analogues was observed.                                                                                                                                       |
| Sequence Length         | 288                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                         |
| Detection Range         | 12.5 pg/ml-800pg/ml                                                                                                                                                                                                                                                                                                       |
| Sensitivity             | 3.12 pg/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume           | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for cTn-T elisa kit

**Introduction:** Anti ovarian antibodies belong to a group of cells found throughout the bloodstream. These cells are called "antibodies" because they actually work against certain functions of the ovaries. Typically, antibodies are used by the body to fight against invading bacteria and cells. Sometimes, however, the body becomes confused and mistakes its own cells for invading ones. This is the case with anti ovarian antibodies. Anti ovarian antibodies are thought to interfere with ovulation and fertility. Anti ovarian antibodies are often found in small amounts throughout the general population. About 30% of normal, healthy women have the antibody. However, anti ovarian antibodies are found in very small amounts in these groups, and do not interfere with ovarian function. Anti ovarian antibodies are typically found in women with premature ovarian failure. Up to 70% of women with this condition have large amounts of anti ovarian antibodies in their bloodstream. Large numbers of women with unexplained infertility also have anti ovarian antibodies in their blood.

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with specificity antigen. Samples are then added to the appropriate microtiter plate wells and incubated. Then add Horseradish Peroxidase (HRP)-conjugated anti-human IgG and incubated. Then substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of human anti-oocyte antibody in the samples is then determined by comparing the O.D. of the samples to the standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">15290516</a>                                                                                                                                                                              |
| NCBI GeneID                      | <a href="#">7139</a>                                                                                                                                                                                  |
| UniProt Accession #              | <a href="#">P45379</a> ; <a href="#">O60214</a> ; <a href="#">Q99596</a> ; <a href="#">Q99597</a> ; <a href="#">Q9BUF6</a> ; <a href="#">Q9UM96</a> ; <a href="#">A2TDB9</a> ; <a href="#">A8K3K6</a> |
| Molecular Weight                 | 30,681 Da                                                                                                                                                                                             |
| NCBI Official Full Name          | cardiac troponin T                                                                                                                                                                                    |
| NCBI Official Synonym Full Names | troponin T type 2 (cardiac)                                                                                                                                                                           |
| NCBI Official Symbol             | TNNT2                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6                                                                                                                                                           |
| NCBI Protein Information         | troponin T, cardiac muscle; troponin T2, cardiac; cardiomyopathy, hypertrophic 2; cardiomyopathy, dilated 1D (autosomal dominant)                                                                     |
| UniProt Protein Name             | Troponin T, cardiac muscle                                                                                                                                                                            |
| UniProt Gene Name                | <b>TNNT2</b>                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | TnTc; cTnT                                                                                                                                                                                            |
| UniProt Entry Name               | TNNT2_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/rat-elisa-kits/cardiac-troponin-t-ctn-t/80892>