

## Rat High Sensitivity Cardiac Troponin I ELISA Kit | hs-cTnI elisa kit

Rat High Sensitivity Cardiac Troponin I ELISA Kit

CATALOG #  
**AAA247293**

REACTIVITY  
**Rat**

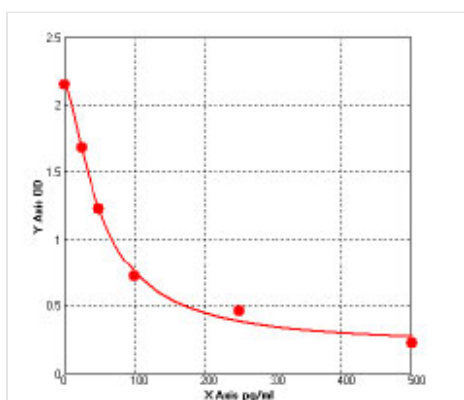
### PRODUCT SYNONYMS

High Sensitivity Cardiac Troponin I; Rat High Sensitivity Cardiac Troponin I ELISA Kit; hs-cTnI elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                          |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate                                                                                                                                                                                                   |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                     |
| Sensitivity             | 1.0 pg/mL.                                                                                                                                                                                                                                                                   |
| Reactivity Note         | No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases. |
| Preparation and Storage | Store at 2-8 degree C.<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for hs-cTnI elisa kit | <p>Intended Uses: This HSCTNI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine HSCTNI. This ELISA kit for research use only!</p> <p>Principle of the Assay: HSCTNI ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HSCTNI antibody and an HSCTNI-HRP conjugate. The assay sample and buffer are incubated together with HSCTNI-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 HSCTNI concentration since HSCTNI from samples and HSCTNI-HRP conjugate compete for the anti-HSCTNI antibody binding site. Since the number of sites is limited, as more sites are occupied by HSCTNI from the sample, fewer sites are left to bind HSCTNI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSCTNI concentration in each sample is interpolated from this standard curve.</p> |
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**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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