

## Rat C-Peptide ELISA Kit | C-Peptide elisa kit

Rat C-Peptide ELISA Kit

CATALOG #  
**AAA80498**

REACTIVITY  
**Rat**

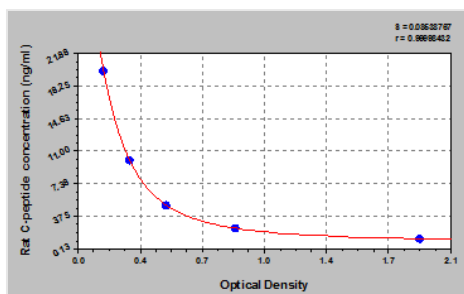
### PRODUCT SYNONYMS

C-Peptide; Rat C-Peptide ELISA Kit; C-Peptide elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of rat C-peptide. No significant cross-reactivity or interference between rat C-peptide and analogues was observed. |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                           |
| Assay Type              | Quantitative Competitive                                                                                                                                                                    |
| Detection Range         | 1.25 ng/ml-20 ng/ml                                                                                                                                                                         |
| Sensitivity             | < 1.25 ng/ml                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.                                           |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.                                                     |
| 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 C-Peptide elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to C-peptide. Standards or samples are added to the appropriate microtiter plate wells with Biotin-conjugated C-peptide. A competitive inhibition reaction is launched between C-peptide (Standards or samples) and Biotin-conjugated C-peptide with the pre-coated antibody specific for C-peptide. The more amount of C-peptide in samples, the less antibody bound by Biotin-conjugated C-peptide. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Substrate solution is added to the wells and the color develops in opposite to the amount of C-peptide in the sample. The color development is stopped and the intensity of the color is measured.

**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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