

## Pig Calcitonin (CT) ELISA Kit | CT elisa kit

Pig Calcitonin (CT)(Competitive ELISA) ELISA Kit

CATALOG #  
**AAA152518**

REACTIVITY  
**Pig**

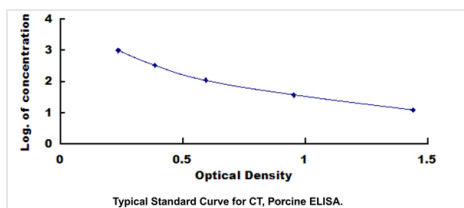
### PRODUCT SYNONYMS

Calcitonin (CT); Pig Calcitonin (CT)(Competitive ELISA) ELISA Kit; ELISA Kit for Calcitonin (CT); CALCA; CALC1; CGRP-I; CGRP1; KC; CCP; PDN-21; Katalcalcin; Calcitonin-Related Polypeptide Alpha; Calcitonin carboxyl-terminal peptide; CT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Reactivity              | Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CT. No significant cross-reactivity or interference between CT and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Samples                 | Porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Detection Range         | 12.35-1,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sensitivity             | < 5.11pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CT were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage | Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life)<br>Shelf-life: one year<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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Related Product Information for CT elisa kit | <p>Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to CT has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled CT and unlabeled CT (Standards or samples) with the pre-coated antibody specific to CT. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of CT in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of CT in the sample.</p> <p>Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CT in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

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| UniProt Accession # | P01259 |
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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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Online datasheet: <https://stage.aaabiotech.com/pig-elisa-kits/calcitonin-ct/152518>