

Pig Calcitonin ELISA Kit | CT elisa kit

Pig Calcitonin (CT) (Competitive ELISA) ELISA Kit

CATALOG #
AAA190059

REACTIVITY
Pig

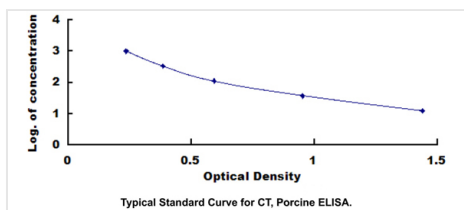
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

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	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CT elisa kit

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.

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.

Product Categories/Family for CT elisa
kit

Metabolic pathway

NCBI AND UNIPROT INFORMATION

UniProt Accession #

P01259

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/ct-pig-elisa-kits/calcitonin/190059>