

Dog Procalcitonin (PCT) ELISA Kit | PCT elisa kit

Dog Procalcitonin (PCT) ELISA Kit

CATALOG #
AAA189731

REACTIVITY
Dog

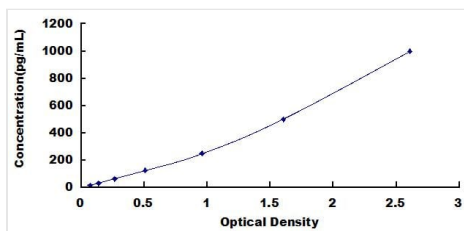
PRODUCT SYNONYMS

Procalcitonin (PCT); Dog Procalcitonin (PCT) ELISA Kit; Pro-Calcitonin; PCT/Procalcitonin; PCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of procalcitonin. No significant cross-reactivity or interference between procalcitonin and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level procalcitonin 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 procalcitonin 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) Shelf Life: 8 months 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

Related Product Information for PCT elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to procalcitonin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to procalcitonin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain procalcitonin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of procalcitonin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of procalcitonin in canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for PCT elisa kit	Infection immunity; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	50979068
NCBI GeneID	403946
NCBI Accession #	NP_001003266.1
NCBI GenBank Nucleotide #	NM_001003266.2
UniProt Accession #	P41547; Q9MYV2; Q9MYV1
Molecular Weight	13,874 Da
NCBI Official Full Name	calcitonin isoform 2 preproprotein
NCBI Official Symbol	CALCA
NCBI Official Synonym Symbols	CALC; CCALCI; CGRP-I
NCBI Protein Information	calcitonin
UniProt Protein Name	Calcitonin
UniProt Gene Name	CALCA
UniProt Synonym Gene Names	CALC; CCALCI
UniProt Entry Name	CALC_CANLF

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.