

Sheep Procalcitonin ELISA Kit | PCT elisa kit

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CATALOG #
AAA90207

REACTIVITY
Sheep

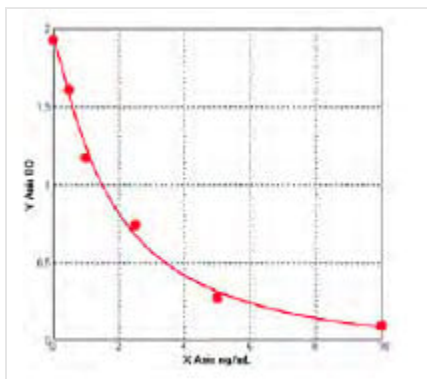
PRODUCT SYNONYMS

Procalcitonin; Sheep Procalcitonin ELISA Kit; PCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of PCT. No significant cross-reactivity or interference between PCT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PCT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	339502384
NCBI GeneID	10949209
NCBI Accession #	YP_004689804.1
NCBI GenBank Nucleotide #	NC_015730.1
Molecular Weight	69,733 Da
NCBI Official Full Name	propionate CoA-transferase Pct
NCBI Official Symbol	pct
NCBI Protein Information	propionate CoA-transferase Pct
UniProt Protein Name	Propionate CoA-transferase Pct
UniProt Gene Name	pct
UniProt Synonym Gene Names	RLO149_c008140
UniProt Entry Name	F7ZLI1_ROSLO

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://www.aaabiotech.com/pct-sheep-elisa-kits/procalcitonin/90207>