

Canine Protein C Inhibitor ELISA Kit | PCI elisa kit

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CATALOG #
AAA88682

REACTIVITY
Canine

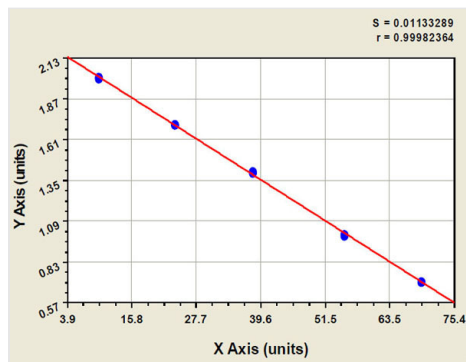
PRODUCT SYNONYMS

Protein C Inhibitor; Canine Protein C Inhibitor ELISA Kit; PCI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This PCI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PCI. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCI elisa kit

Principle of the assay: PCI ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PCI antibody and an PCI-HRP conjugate. The assay sample and buffer are incubated together with PCI-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 PCI concentration since PCI from samples and PCI-HRP conjugate compete for the anti-PCI antibody binding site. Since the number of sites is limited, as more sites are occupied by PCI from the sample, fewer sites are left to bind PCI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCI concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	546321
NCBI GeneID	5104
Molecular Weight	45,675 Da
NCBI Official Full Name	protein C inhibitor
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5
NCBI Official Symbol	SERPINA5
NCBI Official Synonym Symbols	PCI; PAI3; PAI-3; PCI-B; PROC1; PLANH3
NCBI Protein Information	plasma serine protease inhibitor; protein C inhibitor; plasminogen activator inhibitor-3; acrosomal serine protease inhibitor; plasminogen activator inhibitor III; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5
UniProt Protein Name	Plasma serine protease inhibitor
UniProt Gene Name	SERPINA5
UniProt Synonym Gene Names	PCI; PLANH3; PROC1; PAI-3; PAI3; PCI
UniProt Entry Name	IPSP_HUMAN

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/pci-canine-elisa-kits/protein-c-inhibitor/88682>