

Human Protein C Inhibitor ELISA Kit | PCI elisa kit

Human Protein C Inhibitor ELISA Kit

CATALOG #
AAA84793

REACTIVITY
Human

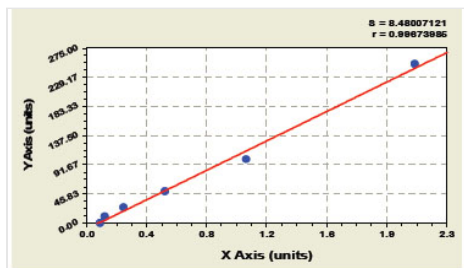
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	10-250ng/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 Human 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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PCI. Standards or samples are then added to the microtiter plate wells and PCI if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PCI present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PCI are added to each well to "sandwich" the PCI immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PCI and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

Product Categories/Family for PCI elisa kit

Cardiovascular

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; PROCI; 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; PROCI; 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://www.aaabiotech.com/pci-human-elisa-kits/protein-c-inhibitor/84793>