

Human Protein C Inhibitor (PCI) ELISA Kit | PCI elisa kit

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CATALOG #
AAA67979

REACTIVITY
Human

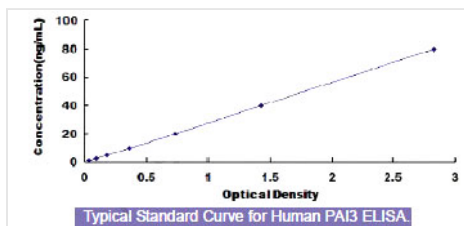
PRODUCT SYNONYMS

Protein C Inhibitor (PCI); Human Protein C Inhibitor (PCI) ELISA Kit; SERPINA5; PAI3; PLANH3; PROC1; Serpin Peptidase Inhibitor Clade A 5; Plasma Serine Protease Inhibitor; Plasminogen Activator Inhibitor 3; Acrosomal serine protease inhibitor; PCI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PAI3. No significant cross-reactivity or interference between PAI3 and analogues was observed.
Sequence Length	406
Samples	Plasma.
Assay Type	Sandwich
Detection Range	1.25-80ng/mL
Sensitivity	0.45ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PAI3 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 PAI3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCI elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PAI3 in human plasma. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PAI3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PAI3. 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 PAI3, 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 PAI3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018472
NCBI GeneID	5104
NCBI Accession #	NP_000615.3
NCBI GenBank Nucleotide #	NM_000624.5
UniProt Accession #	P05154; Q07616; Q9UG30
Molecular Weight	45,675 Da
NCBI Official Full Name	plasma serine protease inhibitor preproprotein
NCBI Official Synonym Full Names	serpin family A 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
UniProt Protein Name	Plasma serine protease inhibitor
UniProt Gene Name	SERPINA5
UniProt Synonym Gene Names	PCI; PLANH3; PROCI; PAI-3; PAI3; PCI

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.