

Bovine Protein C Inhibitor ELISA Kit | PCI elisa kit

Bovine Protein C Inhibitor ELISA Kit

CATALOG #
AAA91520

REACTIVITY
Bovine

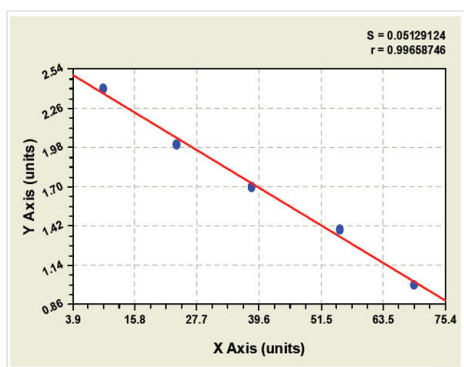
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PCI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 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.

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://stage.aaabiotech.com/pci-bovine-ovine-elisa-kits/protein-c-inhibitor/91520>