

## Sheep Protein C Inhibitor ELISA Kit | PCI elisa kit

Sheep Protein C Inhibitor ELISA Kit

CATALOG #  
**AAA92586**

REACTIVITY  
**Sheep**

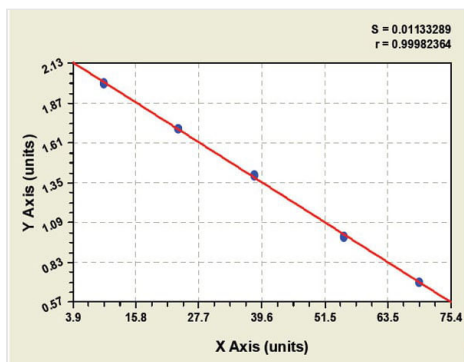
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                           |
| Assay Type              | Competitive                                                                                                                                                                          |
| Intended Uses           | This PCI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep PCI. This ELISA kit for research use only, not for therapeutic applications  |
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| 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                | <b>SERPINA5</b>                                                                                                                                                                                                                                                        |
| 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://www.aaabiotech.com/pci-sheep-elisa-kits/protein-c-inhibitor/92586>