

## Chicken Procollagen Type I ELISA Kit | PC1 elisa kit

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CATALOG #  
**AAA247558**

REACTIVITY  
**Chicken**

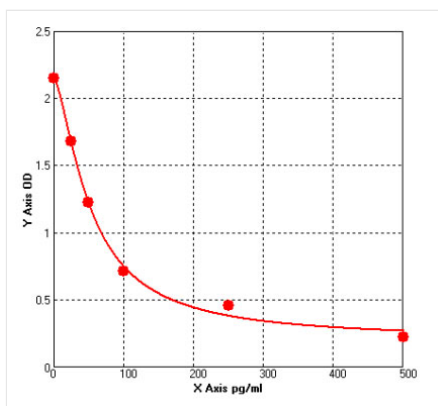
### PRODUCT SYNONYMS

Procollagen Type I; Chicken Procollagen Type I ELISA Kit; PC1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of PCI. No significant cross-reactivity or interference between PCI and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PCI and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity Note         | No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.                                                                                                          |
| Preparation and Storage | Store at 2-8 degree C.<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.                                                                                                                                                                                  |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PC1 elisa kit | <p>Principle of the Assay: PCI ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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.</p> <p>Intended Uses: This PCI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PCI. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for PC1 elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**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/pc1-chicken-elisa-kits/procollagen-type-i/247558>