

## Goat Prolylcarboxypeptidase ELISA Kit | PRCP elisa kit

Goat Prolylcarboxypeptidase ELISA Kit

CATALOG #  
**AAA91462**

REACTIVITY  
**Goat**

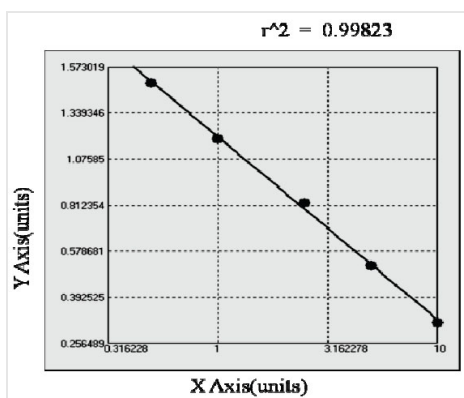
### PRODUCT SYNONYMS

Prolylcarboxypeptidase; Goat Prolylcarboxypeptidase ELISA Kit; PRCP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Goat                                                                       |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PRCP elisa kit

**Intended Uses:** This PRCP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat PRCP. This ELISA kit for research use only!

**Principle of the Assay:** PRCP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRCP antibody and an PRCP-HRP conjugate. The assay sample and buffer are incubated together with PRCP-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 PRCP concentration since PRCP from samples and PRCP-HRP conjugate compete for the anti-PRCP antibody binding site. Since the number of sites is limited, as more sites are occupied by PRCP from the sample, fewer sites are left to bind PRCP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRCP concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 431321                                                                                                                                                     |
| NCBI GeneID                      | 5547                                                                                                                                                       |
| UniProt Accession #              | P42785; B2R7B7; B5BU34                                                                                                                                     |
| Molecular Weight                 | 55,800 Da                                                                                                                                                  |
| NCBI Official Full Name          | prolylcarboxypeptidase                                                                                                                                     |
| NCBI Official Synonym Full Names | prolylcarboxypeptidase (angiotensinase C)                                                                                                                  |
| NCBI Official Symbol             | PRCP                                                                                                                                                       |
| NCBI Official Synonym Symbols    | PCP; HUMPCP                                                                                                                                                |
| NCBI Protein Information         | lysosomal Pro-X carboxypeptidase; angiotensinase C; proline carboxypeptidase; lysosomal carboxypeptidase C; prolylcarboxypeptidase isoform 1 preproprotein |
| UniProt Protein Name             | Lysosomal Pro-X carboxypeptidase                                                                                                                           |
| UniProt Gene Name                | <b>PRCP</b>                                                                                                                                                |
| UniProt Synonym Gene Names       | PCP; PRCP                                                                                                                                                  |
| UniProt Entry Name               | PCP_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.