

## Human Podocalyxin ELISA Kit | PCX elisa kit

Human Podocalyxin ELISA Kit

CATALOG #  
**AAA16526**

REACTIVITY  
**Human**

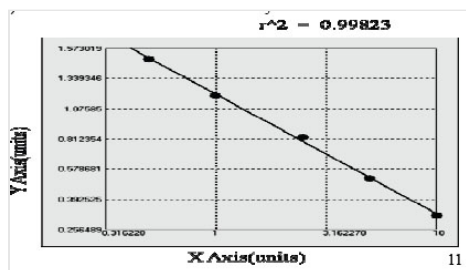
### PRODUCT SYNONYMS

Podocalyxin; Human Podocalyxin ELISA Kit; PCX elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                           |
| Assay Type              | Competitive or Sandwich                                                                                                                                                              |
| Detection Range         | 0.5-10ng/mL                                                                                                                                                                          |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                             |
| Intended Uses           | This PCX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PCX. 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 PCX elisa kit

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

#### Product Categories/Family for PCX elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 66277202                                                |
| NCBI GeneID                      | 5420                                                    |
| NCBI Accession #                 | NP_001018121.1                                          |
| NCBI GenBank Nucleotide #        | NM_001018111.2                                          |
| Molecular Weight                 | 55,386 Da                                               |
| NCBI Official Full Name          | podocalyxin isoform 1                                   |
| NCBI Official Synonym Full Names | podocalyxin-like                                        |
| NCBI Official Symbol             | PODXL                                                   |
| NCBI Official Synonym Symbols    | PC; PCLP; Gp200; PCLP-1                                 |
| NCBI Protein Information         | podocalyxin; GCTM-2 antigen; podocalyxin-like protein 1 |
| UniProt Protein Name             | Podocalyxin                                             |
| UniProt Gene Name                | <b>PODXL</b>                                            |
| UniProt Synonym Gene Names       | PCLP; PCLP1; PC; PCLP-1                                 |
| UniProt Entry Name               | PODXL_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/pcx-human-elisa-kits/podocalyxin/16526>