

Rat Procollagen C peptidase ELISA Kit | PCP elisa kit

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CATALOG #
AAA82388

REACTIVITY
Rat

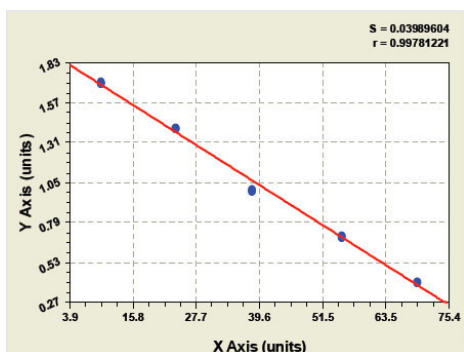
PRODUCT SYNONYMS

Procollagen C peptidase; Rat Procollagen C peptidase ELISA Kit; PCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PCP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PCP. 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 PCP elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	154350616
Molecular Weight	23,234 Da
NCBI Official Full Name	Pcp
UniProt Protein Name	Pyrrolidone-carboxylate peptidase
UniProt Gene Name	pcp
UniProt Synonym Gene Names	RBAM_002960; PGP-I; Pyrase
UniProt Entry Name	PCP_BACA2

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/pcp-rat-elisa-kits/procollagen-c-peptidase/82388>