

Human Prolylcarboxypeptidase ELISA Kit | PRCP elisa kit

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CATALOG #
AAA83099

REACTIVITY
Human

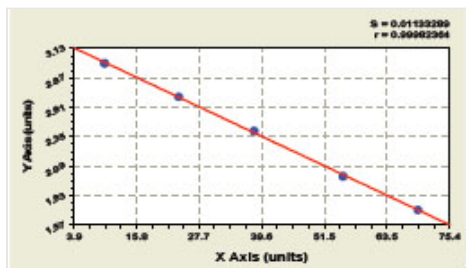
PRODUCT SYNONYMS

Prolylcarboxypeptidase; Human Prolylcarboxypeptidase ELISA Kit; PRCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This PRCP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRCP. 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 PRCP elisa kit

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.

Product Categories/Family for PRCP elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	431321
NCBI GeneID	5547
Molecular Weight	58,100 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	PRCP
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.

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Online datasheet: <https://www.aaabiotech.com/prcp-human-elisa-kits/prolylcarboxypeptidase/83099>