

Mouse Prolylcarboxypeptidase ELISA Kit | PRCP elisa kit

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CATALOG #
AAA86712

REACTIVITY
Mouse

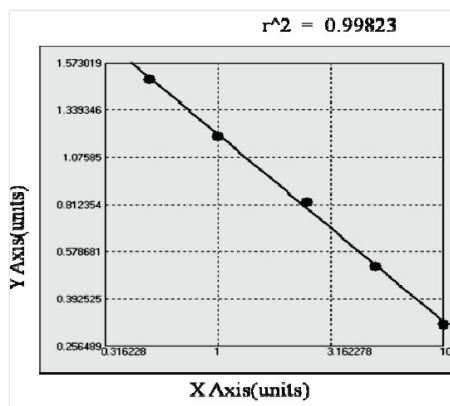
PRODUCT SYNONYMS

Prolylcarboxypeptidase; Mouse Prolylcarboxypeptidase ELISA Kit; PRCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/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	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This PRCP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse 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.
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-mouse-elisa-kits/prolylcarboxypeptidase/86712>