

Human Prolylcarboxypeptidase (PRCP) ELISA Kit | PRCP elisa kit

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CATALOG #
AAA67574

REACTIVITY
Human

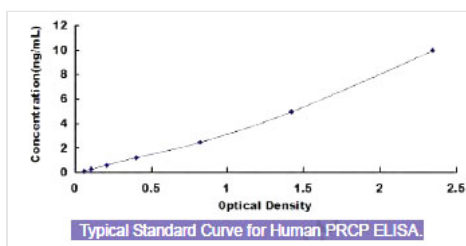
PRODUCT SYNONYMS

Prolylcarboxypeptidase (PRCP); Human Prolylcarboxypeptidase (PRCP) ELISA Kit; PRCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRCP. No significant cross-reactivity or interference between PRCP and analogues was observed.
Sequence Length	391
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRCP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRCP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRCP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRCP in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRCP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRCP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PRCP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PRCP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	984655786
NCBI GeneID	5547
NCBI Accession #	NP_001306143.1
NCBI GenBank Nucleotide #	NM_001319214.1
UniProt Accession #	P42785; A8MU24; B2R7B7; B3KRK5; B5BU34
Molecular Weight	58,100 Da
NCBI Official Full Name	lysosomal Pro-X carboxypeptidase isoform 3
NCBI Official Synonym Full Names	prolylcarboxypeptidase
NCBI Official Symbol	PRCP
NCBI Official Synonym Symbols	PCP; HUMPCP
NCBI Protein Information	lysosomal Pro-X carboxypeptidase
UniProt Protein Name	Lysosomal Pro-X carboxypeptidase
UniProt Gene Name	PRCP
UniProt Synonym Gene Names	PCP; PRCP

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.