Mouse prolylcarboxypeptidase (angiotensinase C) ELISA Kit | PRCP elisa kit

Mouse Lysosomal Pro-X carboxypeptidase, PRCP ELISA Kit

CATALOG #	REACTIVITY
AAA18246	**Mouse**

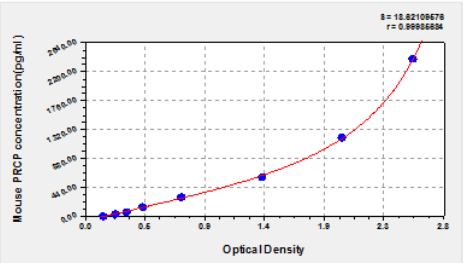
PRODUCT SYNONYMS

prolylcarboxypeptidase (angiotensinase C); Mouse Lysosomal Pro-X carboxypeptidase; PRCP ELISA Kit; Mouse Lysosomal Pro-X carboxypeptidase (PRCP) ELISA kit; HUMPCP; MGC2202; PCP; angiotensinase C; lysosomal Pro-x carboxypeptidase; lysosomal carboxypeptidase C; proline carboxypeptidase; prolylcarboxypeptidase; prolylcarboxypeptidase isoform 1 preproprotein; PRCP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse PRCP. No significant cross-reactivity or interference between mouse PRCP and analogues was observed.
Sequence Length	491
Samples	Serum, plasma, tissue homogenates and cell lysates
Assay Type	Quantitative Sandwich
Detection Range	37.5 pg/ml-2400 pg/ml
Sensitivity	< 9.37 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRCP elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PRCP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRCP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRCP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRCP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469015
NCBI GeneID	72461
NCBI Accession #	NP_082519.1
NCBI GenBank Nucleotide #	NM_028243.3
UniProt Accession #	Q7TMR0; Q3TLW3; Q3V302; Q8BKK3; Q8R0T8; Q9D049
Molecular Weight	55,027 Da
NCBI Official Full Name	lysosomal Pro-X carboxypeptidase
NCBI Official Synonym Full Names	prolylcarboxypeptidase (angiotensinase C)
NCBI Official Symbol	Prcp
NCBI Official Synonym Symbols	PCP; HUMPCP; AI451719; 2510048K03Rik; 2610104A14Rik
NCBI Protein Information	lysosomal Pro-X carboxypeptidase; proline carboxypeptidase
UniProt Protein Name	Lysosomal Pro-X carboxypeptidase
UniProt Gene Name	**Prcp**
UniProt Synonym Gene Names	PRCP
UniProt Entry Name	PCP_MOUSE

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-angiotensinase-c/18246