

Rat carboxypeptidase B1 (tissue) ELISA Kit | CPB1 elisa kit

Rat Carboxypeptidase B, CPB1 ELISA Kit

CATALOG #
AAA18075

REACTIVITY
Rat

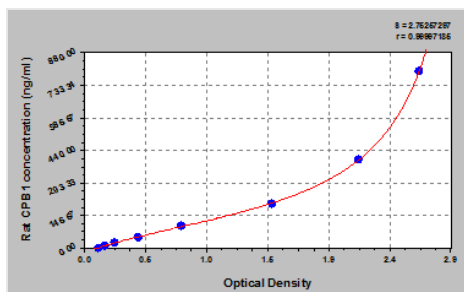
PRODUCT SYNONYMS

carboxypeptidase B1 (tissue); Rat Carboxypeptidase B; CPB1 ELISA Kit; Rat Carboxypeptidase B (CPB1) ELISA kit; CPB; DKFZp779K1333; PASP; PCPB; pancreas-specific protein; pancreatic carboxypeptidase B1; procarboxypeptidase B; CPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat CPB1. No significant cross-reactivity or interference between rat CPB1 and analogues was observed.
Sequence Length	415
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	12.5 ng/ml-800 ng/ml
Sensitivity	< 3.12 ng/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 CPB1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CPB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CPB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CPB1 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 CPB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978697
NCBI GeneID	24271
NCBI Accession #	NP_036665.1
NCBI GenBank Nucleotide #	NM_012533.1
UniProt Accession #	P19223
Molecular Weight	47,515 Da
NCBI Official Full Name	carboxypeptidase B
NCBI Official Synonym Full Names	carboxypeptidase B1 (tissue)
NCBI Official Symbol	Cpb1
NCBI Official Synonym Symbols	Cpb
NCBI Protein Information	carboxypeptidase B; pancreatic carboxypeptidase B1
UniProt Protein Name	Carboxypeptidase B
UniProt Gene Name	Cpb1
UniProt Synonym Gene Names	Cpb
UniProt Entry Name	CBPB1_RAT

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://stage.aaabiotech.com/cpb1-rat-elisa-kits/carboxypeptidase-b1-tissue/18075>