

Human Carboxypeptidase B1, Tissue (CPB1) ELISA Kit | CPB1 elisa kit

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CATALOG #
AAA68537

REACTIVITY
Human

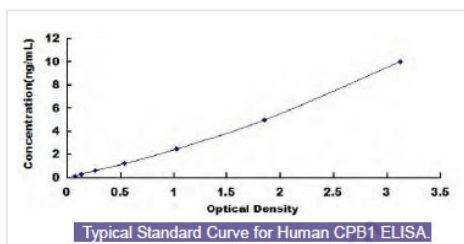
PRODUCT SYNONYMS

Carboxypeptidase B1; Tissue (CPB1); Human Carboxypeptidase B1; Tissue (CPB1) ELISA Kit; CPB; PCPB; PASP; Pancreas-specific protein; CPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CPB1. No significant cross-reactivity or interference between CPB1 and analogues was observed.
Sequence Length	417
Samples	Serum, plasma or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.055ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CPB1 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 CPB1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPB1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CPB1 in human serum, plasma or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CPB1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CPB1. 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 CPB1, 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 CPB1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607080
NCBI GeneID	1360
NCBI Accession #	NP_001862.2
NCBI GenBank Nucleotide #	NM_001871.2
UniProt Accession #	P15086; O60834; Q53XJ0; Q96BQ8
Molecular Weight	47,368 Da
NCBI Official Full Name	carboxypeptidase B preproprotein
NCBI Official Synonym Full Names	carboxypeptidase B1
NCBI Official Symbol	CPB1
NCBI Official Synonym Symbols	CPB; PASP; PCPB
NCBI Protein Information	carboxypeptidase B
UniProt Protein Name	Carboxypeptidase B
UniProt Gene Name	CPB1
UniProt Synonym Gene Names	CPB; PCPB; PASP

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/human-elisa-kits/carboxypeptidase-b1-tissue-cpb1/68537>