

Human Carboxypeptidase B, CPB1 ELISA Kit | CPB1 elisa kit

Human Carboxypeptidase B, CPB1 Primacu ELISA Kit

CATALOG #
AAA124412

REACTIVITY
Human

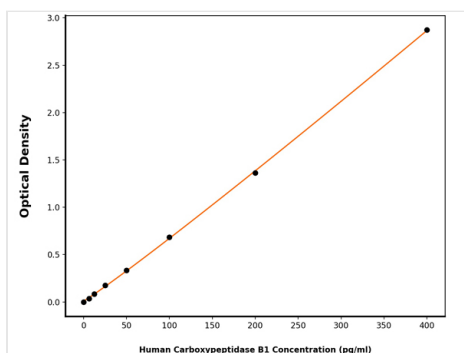
PRODUCT SYNONYMS

Carboxypeptidase B; CPB1; Human Carboxypeptidase B; CPB1 Primacu ELISA Kit; Carboxypeptidase B1; CPB; PCPB; CPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	6.25-400pg/mL
Sensitivity	1.77pg/mL
Standard Solution	4ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for CPB1 elisa kit

Carboxypeptidase B1, also well known as pancreatic procarboxypeptidase B (PCPB), is a highly pancreas -specific protein (PASP), and has been identified previously as a serum marker for acute pancreatitis and pancreatic graft rejection. As the prototype for those human exopeptidases that cleave off basic C-terminal residues, CPB1 specifically cleaves the C-terminal Arg and Lys residues with a preference for Arg. The B1 and B2 forms of procarboxypeptidase B differ from each other mainly in isoelectric point. The deduced amino acid sequence of PCPB predicts a 416-amino acid preproenzyme consisting of a 15-aa signal peptide, a 95-aa activation peptide and a 37-aa mature chain. The secreted PCPB zymogen is converted to enzymatically active CPB1 by limited proteolysis by trypsin.

Product Categories/Family for CPB1 elisa kit

Primacu ELISA Kit; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607080
NCBI GeneID	1360
NCBI Accession #	NP_001862
NCBI GenBank Nucleotide #	NM_001871
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 (tissue)
NCBI Official Symbol	CPB1
NCBI Official Synonym Symbols	CPB; PASP; PCPB
NCBI Protein Information	carboxypeptidase B; pancreas-specific protein; pancreatic carboxypeptidase B; procarboxypeptidase B; protaminase; tissue carboxypeptidase B
UniProt Protein Name	Carboxypeptidase B
UniProt Gene Name	CPB1
UniProt Synonym Gene Names	CPB; PCPB; PASP
UniProt Entry Name	CBPB1_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://stage.aaabiotech.com/human-elisa-kits/carboxypeptidase-b-cpb1/124412>