

Human Carboxypeptidase B1/CPB1 ELISA Kit | CPB1 elisa kit

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CATALOG #
AAA258371

REACTIVITY
Human

PRODUCT SYNONYMS

Carboxypeptidase B1/CPB1; Human Carboxypeptidase B1/CPB1 ELISA Kit; Carboxypeptidase B1 ELISA Kit; Human; carboxypeptidase B1 (tissue); CPB ELISA Kit; PASP ELISA Kit; PCPB ELISA Kit; CPB1 elisa kit

PRODUCT SPECIFICATIONS

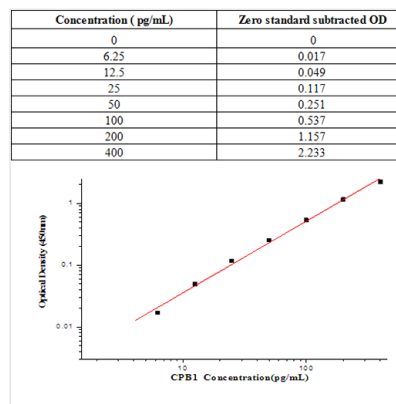
Reactivity	Human
Specificity	For the quantitative determination of Human Carboxypeptidase B1/CPB1 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	6.25-400pg/mL
Sensitivity	5.30pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
CPA1	CPA2	CPB2	CPE
CPM	CPN1		
Recombinant mouse			
CPB1			

Application Data

This assay recognizes both recombinant and natural Human CPB1. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CPB1 elisa kit	This Carboxypeptidase B1 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Carboxypeptidase B1 protein in Serum. It contains recombinant Human Carboxypeptidase B1, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: 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.
References	Yamamoto, K.K. et al., 1992, J. Biol. Chem. 267: 2575-2581. Pezzilli, R. et al., 1994, Digestion. 55: 73-77. Barbosa Pereira, P.J. et al., 2002, J. Mol. Biol. 321: 537-547.

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-b1-cpb1/258371>