

## Human Carboxypeptidase B, CPB1 ELISA Kit | CPB1 elisa kit

Human Carboxypeptidase B, CPB1 Primacu ELISA Kit

CATALOG #  
**AAA124412**

REACTIVITY  
**Human**

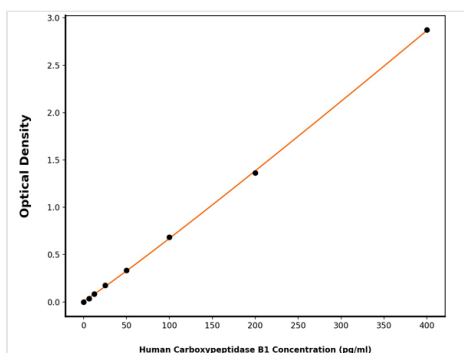
### PRODUCT SYNONYMS

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://www.aaabiotech.com/human-elisa-kits/carboxypeptidase-b-cpb1/124412>