

Human Carboxypeptidase B2 ELISA Kit | CPB2 elisa kit

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CATALOG #
AAA195302

REACTIVITY
Human

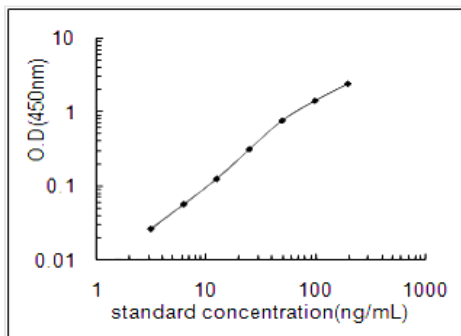
PRODUCT SYNONYMS

Carboxypeptidase B2; Human Carboxypeptidase B2 ELISA Kit; Carboxypeptidase U; CPU; Plasma carboxypeptidase B; pCPB; Thrombin-activable fibrinolysis inhibitor; TAFI; CPB2; 3.4.17.20; CPB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human Carboxypeptidase B2. No significant cross-reactivity or interference was observed.
Sequence Length	386
Assay Type	Sandwich
Detection Range	3.12-200 ng/mL
Sensitivity	1.7 ng/mL
Intra-Assay CV	<=6.5%
Inter-Assay CV	<=9.1%
Recovery	110%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPB2 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Carboxypeptidase B2 concentrations in serum, Plasma, Urine, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Carboxypeptidase B2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Carboxypeptidase B2 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Carboxypeptidase B2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Carboxypeptidase B2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	513126877
NCBI GeneID	1361
NCBI Accession #	NP_001265470.1
NCBI GenBank Nucleotide #	NM_001278541.1
UniProt Accession #	Q96IY4; Q15114; Q5T9K1; Q5T9K2; Q9P2Y6; A8K464
Molecular Weight	40,922 Da
NCBI Official Full Name	carboxypeptidase B2 isoform 2 preproprotein
NCBI Official Synonym Full Names	carboxypeptidase B2
NCBI Official Symbol	CPB2
NCBI Official Synonym Symbols	CPU; PCPB; TAFI
NCBI Protein Information	carboxypeptidase B2
UniProt Protein Name	Carboxypeptidase B2
UniProt Gene Name	CPB2
UniProt Synonym Gene Names	CPU; pCPB; TAFI
UniProt Entry Name	CBPB2_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.