

Human Carboxypeptidase B2 ELISA Kit | CPB2 elisa kit

Human Carboxypeptidase B2 ELISA Kit

CATALOG #
AAA99749

REACTIVITY
Human

PRODUCT SYNONYMS

Carboxypeptidase B2; Human Carboxypeptidase B2 ELISA Kit; CPB2 (Carboxypeptidase B2)/CPU/TAFI/carboxypeptidase B2/Carboxypeptidase U/PCPB/Plasma carboxypeptidase B/carboxypeptidase B-like protein/Thrombin-activable fibrinolysis inhibitor; CPB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CPB2. No significant cross-reactivity or interference between CPB2 and analogues was observed.
Sequence Length	423
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CPB2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CPB2 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve									
Results of a typical standard run of a CPB2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A/not applicable)									
X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.068	0.269	0.407	0.648	1.035	1.453	1.907	2.589

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPB2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CPB2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CPB2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the CPB2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CPB2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	513126885
NCBI GeneID	1361
NCBI Accession #	NP_001863.3
NCBI GenBank Nucleotide #	NM_001872.4
Molecular Weight	40,922 Da
NCBI Official Full Name	carboxypeptidase B2 isoform 1 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.

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Online datasheet: <https://www.aaabiotech.com/cpb2-human-elisa-kits/carboxypeptidase-b2/99749>