

Human carboxypeptidase E ELISA Kit | CPE elisa kit

Human Carboxypeptidase E, CPE ELISA Kit

CATALOG #
AAA113031

REACTIVITY
Human

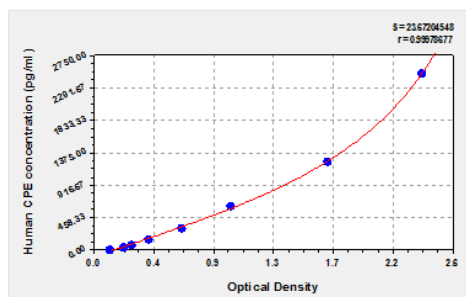
PRODUCT SYNONYMS

carboxypeptidase E; Human Carboxypeptidase E; CPE ELISA Kit; Human Carboxypeptidase E (CPE) ELISA kit; CPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CPE. No significant cross-reactivity or interference between Human CPE and analogues was observed.
Sequence Length	476
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	39.06 pg/ml-2500 pg/ml
Sensitivity	9.76 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPE elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CPE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CPE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CPE is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CPE bound in the initial step. The color development is stopped and the intensity of the color is measured.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503009
NCBI GeneID	1363
NCBI Accession #	NP_001864.1
NCBI GenBank Nucleotide #	NM_001873.2
UniProt Accession #	P16870; Q9UIU9; A8K4N1; B3KR42; B4DFN4; D3DP33
Molecular Weight	53,151 Da
NCBI Official Full Name	carboxypeptidase E preproprotein
NCBI Official Synonym Full Names	carboxypeptidase E
NCBI Official Symbol	CPE
NCBI Protein Information	carboxypeptidase E; CPH; carboxypeptidase H; enkephalin convertase; prohormone-processing carboxypeptidase; insulin granule-associated carboxypeptidase; cobalt-stimulated chromaffin granule carboxypeptidase
UniProt Protein Name	Carboxypeptidase E
UniProt Gene Name	CPE
UniProt Synonym Gene Names	CPE; CPH
UniProt Entry Name	CBPE_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cpe-human-elisa-kits/carboxypeptidase-e/113031>