

Human Carboxypeptidase A4 (CPA4) RTU ELISA Kit | CPA4 rtu elisa kit

Human Carboxypeptidase A4 (CPA4) ELISA Kit

CATALOG #
AAA14063

REACTIVITY
Human

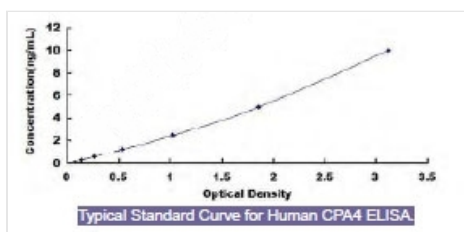
PRODUCT SYNONYMS

Carboxypeptidase A4 (CPA4); Human Carboxypeptidase A4 (CPA4) ELISA Kit; CPA4 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CPA4. No significant cross-reactivity or interference between CPA4 and analogues was observed.
Sequence Length	388
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CPA4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CPA4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPA4 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CPA4 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CPA4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CPA4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CPA4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CPA4 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 #	254540196
NCBI GeneID	51200
NCBI Accession #	NP_001156918.1
NCBI GenBank Nucleotide #	NM_001163446.1
UniProt Accession #	Q9UI42; Q86UY9; B7Z576
Molecular Weight	43,570 Da
NCBI Official Full Name	carboxypeptidase A4 isoform 2
NCBI Official Synonym Full Names	carboxypeptidase A4
NCBI Official Symbol	CPA4
NCBI Official Synonym Symbols	CPA3
NCBI Protein Information	carboxypeptidase A4
UniProt Protein Name	Carboxypeptidase A4
UniProt Gene Name	CPA4
UniProt Synonym Gene Names	CPA3

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.