

Human Procollagen C Proteinase Enhancer 1 (PCPE1) ELISA Kit | PCPE1 elisa kit

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CATALOG #
AAA184576

REACTIVITY
Human

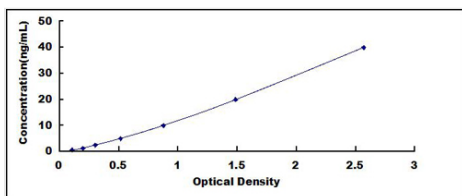
PRODUCT SYNONYMS

Procollagen C Proteinase Enhancer 1 (PCPE1); Human Procollagen C Proteinase Enhancer 1 (PCPE1) ELISA Kit; PCOLCE; PCPE; Procollagen Type 1 COOH-Terminal Proteinase Enhancer; Procollagen C Endopeptidase Enhancer; Type I procollagen COOH-terminal proteinase enhancer; PCPE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Procollagen C Proteinase Enhancer 1 (PCPE1). No significant cross-reactivity or interference between Procollagen C Proteinase Enhancer 1 (PCPE1) and analogues was observed.
Sequence Length	449
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.285ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Procollagen C Proteinase Enhancer 1 (PCPE1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Procollagen C Proteinase Enhancer 1 (PCPE1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCPE1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Procollagen C Proteinase Enhancer 1 (PCPE1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Procollagen C Proteinase Enhancer 1 (PCPE1). 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 Procollagen C Proteinase Enhancer 1 (PCPE1), 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 Procollagen C Proteinase Enhancer 1 (PCPE1) 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 #	157653329
NCBI GeneID	5118
NCBI Accession #	NP_002584.2
NCBI GenBank Nucleotide #	NM_002593.3
UniProt Accession #	Q15113; O14550; B2R9E1
Molecular Weight	47,972 Da
NCBI Official Full Name	procollagen C-endopeptidase enhancer 1
NCBI Official Synonym Full Names	procollagen C-endopeptidase enhancer
NCBI Official Symbol	PCOLCE
NCBI Official Synonym Symbols	PCPE; PCPE1; PCPE-1
NCBI Protein Information	procollagen C-endopeptidase enhancer 1
UniProt Protein Name	Procollagen C-endopeptidase enhancer 1
UniProt Gene Name	PCOLCE
UniProt Synonym Gene Names	PCPE1; PCPE-1; Procollagen C-proteinase enhancer 1

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://stage.aaabiotech.com/human-elisa-kits/procollagen-c-proteinase-enhancer-1-pcpe1/184576>