

Mouse Procollagen C Proteinase Enhancer 1 ELISA Kit | PCPE1 elisa kit

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CATALOG #
AAA16224

REACTIVITY
Mouse

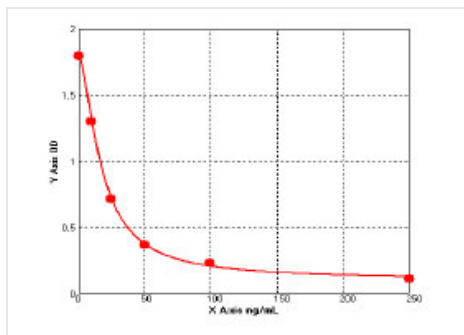
PRODUCT SYNONYMS

Procollagen C Proteinase Enhancer 1; Mouse Procollagen C Proteinase Enhancer 1 ELISA Kit; PCPE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PCPE1. No significant cross-reactivity or interference between PCPE1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PCPE1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCPE1 elisa kit	Principle of the Assay: PCPE1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PCPE1 antibody and an PCPE1-HRP conjugate. The assay sample and buffer are incubated together with PCPE1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PCPE1 concentration since PCPE1 from samples and PCPE1-HRP conjugate compete for the anti-PCPE1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PCPE1 from the sample, fewer sites are left to bind PCPE1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCPE1 concentration in each sample is interpolated from this standard curve. Intended Uses: This PCPE1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PCPE1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for PCPE1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	157653329
NCBI GeneID	5118
NCBI Accession #	NP_002584.2
NCBI GenBank Nucleotide #	NM_002593.3
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; procollagen C-proteinase enhancer 1; procollagen COOH-terminal proteinase enhancer 1; type 1 procollagen C-proteinase enhancer protein; type I procollagen COOH-terminal proteinase enhancer; procollagen, type 1, COOH-terminal proteinase enhancer
UniProt Protein Name	Procollagen C-endopeptidase enhancer 1
UniProt Gene Name	PCOLCE
UniProt Synonym Gene Names	PCPE1; PCPE-1; Procollagen C-proteinase enhancer 1
UniProt Entry Name	PCOC1_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/pcpe1-mouse-elisa-kits/procollagen-c-proteinase-enhancer-1/16224>