

PCOLCE elisa kit

Human PCOLCE ELISA Kit

CATALOG #
AAA125381

REACTIVITY
HumanThere is no detectable cross-reactivity with other relevant proteins.

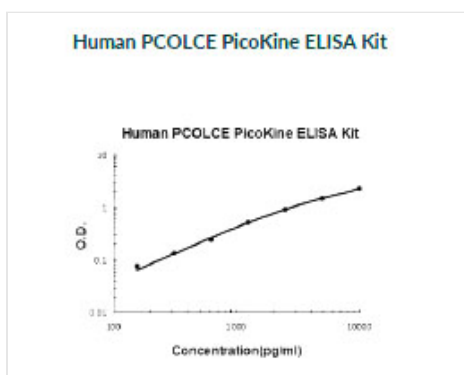
PRODUCT SYNONYMS

PCOLCE; Human PCOLCE ELISA Kit; Human PCOLCE; Procollagen C-endopeptidase enhancer 1; Procollagen COOH-terminal proteinase enhancer 1; PCPE-1; Procollagen C-proteinase enhancer 1; Type 1 procollagen C-proteinase enhancer protein; Type I procollagen COOH-terminal proteinase enhancer; PCPE1; PCOLCE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human PCOLCE
Sequence Length	449
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCOLCE elisa kit	Principle of the Assay: The Picokine™ Human PCOLCE Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human PCOLCE with a 96-well strip plate that is pre-coated with antibody specific for PCOLCE. The detection antibody is a biotinylated antibody specific for PCOLCE. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated monoclonal antibody from goat. The kit contains recombinant Human PCOLCE with immunogen: Expression system for standard: NSO, Immunogen sequence: Q26-D449. The kit is analytically validated with ready to use reagents. To measure Human PCOLCE, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human PCOLCE in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PCOLCE in the sample.!!Background/Introduction: Procollagen C-endopeptidase enhancer 1 is an enzyme that in humans is encoded by the PCOLCE gene. It is mapped to 7q22.1. Fibrillar collagen types I-III are synthesized as precursor molecules known as procollagens. These precursors contain amino- and carboxyl-terminal peptide extensions known as N- and C-propeptides, respectively, which are cleaved, upon secretion of procollagen from the cell, to yield the mature triple helical, highly structured fibrils. This gene encodes a glycoprotein which binds and drives the enzymatic cleavage of type I procollagen and heightens C-proteinase activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157653329
NCBI GeneID	5118
NCBI Accession #	NP_002584.2
NCBI GenBank Nucleotide #	NP_002584.2
UniProt Accession #	Q15113
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
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.