

Human C-terminal propeptide of Collagen alpha-1 (II) chain ELISA Kit | PIICP elisa kit

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CATALOG #
AAA310178

REACTIVITY
Human

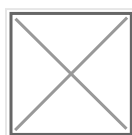
PRODUCT SYNONYMS

C-terminal propeptide of Collagen alpha-1 (II) chain; Human C-terminal propeptide of Collagen alpha-1 (II) chain ELISA Kit; PIICP; Chondrocalcin; PIICP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural Human ICTP. No significant cross-reactivity or interference was observed.
Samples	Serum, Plasma, Tissue Homogenates, Cell Culture Supernate, And Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	0.156-10.0 ng/ ml.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIICP elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Cross-linked C-terminal telopeptide of Collagen alpha-1(I) chain, ICTP concentrations in serum, plasma, tissue homogenates, cell culture supernate, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to ICTP, during the reaction, ICTP in the sample or standard competes with a fixed amount of biotin-labeled ICTP for sites on a pre-coated Monoclonal antibody specific to ICTP. Excess conjugate and unbound sample or standard are washed from the plate. Next, avidin-conjugated to Horse radish Peroxidase (HRP) is added to each microplate well and incubated. Then a T MB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 2nm. The concentration of ICTP in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	111118976
NCBI GeneID	1280
NCBI Accession #	NP_001835.3

NCBI GenBank Nucleotide #	NM_001844.4
UniProt Accession #	P02458; Q12985; Q14009; Q14044; Q14045; Q14046; Q14047; Q14056; Q14058; Q16672; Q1JQ82; A6NGA0
Molecular Weight	29,781 Da
NCBI Official Full Name	collagen alpha-1(II) chain isoform 1
NCBI Official Synonym Full Names	collagen type II alpha 1 chain
NCBI Official Symbol	COL2A1
NCBI Official Synonym Symbols	AOM; ANFH; SEDC; STL1; COL11A3
NCBI Protein Information	collagen alpha-1(II) chain
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	COL2A1

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/piicp-human-elisa-kits/c-terminal-propeptide-of-collagen-alpha-1-ii-chain/310178>