

Human Procollagen III N-Terminal Propeptide (PIIINP) ELISA Kit | PIIINP elisa kit

Human Procollagen III N-Terminal Propeptide (PIIINP) ELISA Kit

CATALOG #
AAA182030

REACTIVITY
Human

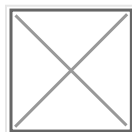
PRODUCT SYNONYMS

Procollagen III N-Terminal Propeptide (PIIINP); Human Procollagen III N-Terminal Propeptide (PIIINP) ELISA Kit; P3NP; N-Propeptide Of Type III Procollagen; Procollagen III Amino Terminal Propeptide; PIIINP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Procollagen III N-Terminal Propeptide (PIIINP). No significant cross-reactivity or interference between Procollagen III N-Terminal Propeptide (PIIINP) and analogues was observed.
Sequence Length	1466
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	4.94-400ng/mL
Sensitivity	< 2.13ng/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 III N-Terminal Propeptide (PIIINP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Procollagen III N-Terminal Propeptide (PIIINP) 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 PIIINP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Procollagen III N-Terminal Propeptide (PIIINP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Procollagen III N-Terminal Propeptide (PIIINP) and unlabeled Procollagen III N-Terminal Propeptide (PIIINP) (Standards or samples) with the pre-coated antibody specific to Procollagen III N-Terminal Propeptide (PIIINP). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Procollagen III N-Terminal Propeptide (PIIINP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Procollagen III N-Terminal Propeptide (PIIINP) in the sample.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502951
NCBI GeneID	1281
NCBI Accession #	NP_000081.1
NCBI GenBank Nucleotide #	NM_000090.3
UniProt Accession #	P02461; P78429; Q15112; Q16403; Q53S91; Q541P8; Q6LDB3; Q6LDJ2; Q6LDJ3; Q7KZ56; D2JYH5; D3DPH4
Molecular Weight	111,907 Da
NCBI Official Full Name	collagen alpha-1(III) chain preproprotein
NCBI Official Synonym Full Names	collagen type III alpha 1 chain
NCBI Official Symbol	COL3A1
NCBI Official Synonym Symbols	EDS4A; EDSVASC
NCBI Protein Information	collagen alpha-1(III) chain
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	COL3A1

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/human-elisa-kits/procollagen-iii-n-terminal-propeptide-piiinp/182030>