

Mouse Procollagen I N-Terminal Propeptide (PINP) ELISA Kit | PINP elisa kit

Mouse Procollagen I N-Terminal Propeptide (PINP) Mini Samples ELISA Kit

CATALOG # AAA188724	REACTIVITY Mouse	APPLICATIONS ELISA
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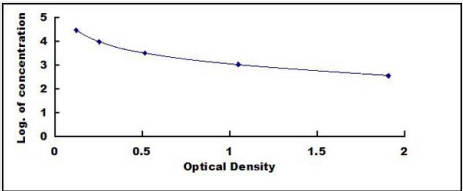
PRODUCT SYNONYMS

Procollagen I N-Terminal Propeptide (PINP); Mouse Procollagen I N-Terminal Propeptide (PINP) Mini Samples ELISA Kit; Procollagen I N-Terminal Propeptide; P1NP; N-Propeptide Of Type I Procollagen; Procollagen I Amino Terminal Propeptide; PINP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Procollagen I N-Terminal Propeptide (PINP). No significant cross-reactivity or interference between Mini Samples Procollagen I N-Terminal Propeptide (PINP) and analogues was observed.
Sequence Length	1453
Assay Type	Competitive Inhibition
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	370.4-30,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 142.8ng/mL
Applicable Applications for PINP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Procollagen I N-Terminal Propeptide (PINP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Procollagen I N-Terminal Propeptide (PINP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Mini Samples Procollagen I N-Terminal Propeptide (PINP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Mini Samples Procollagen I N-Terminal Propeptide (PINP) and unlabeled Mini Samples Procollagen I N-Terminal Propeptide (PINP) (Standards or samples) with the pre-coated antibody specific to Mini Samples Procollagen I N-Terminal Propeptide (PINP). 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 Mini Samples Procollagen I N-Terminal Propeptide (PINP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Mini Samples Procollagen I N-Terminal Propeptide (PINP) in the sample.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	83301500
NCBI GeneID	12842
UniProt Accession #	P11087
NCBI Official Full Name	Collagen alpha-1(I) chain
NCBI Official Synonym Full Names	collagen, type I, alpha 1
NCBI Official Symbol	Col1a1
NCBI Official Synonym Symbols	Cola1; Mov13; Cola-1; Mov-13; Col1a-1
NCBI Protein Information	collagen alpha-1(I) chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	Col1a1
UniProt Synonym Gene Names	Cola1
UniProt Entry Name	CO1A1_MOUSE

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/mouse-elisa-kits/procollagen-i-n-terminal-propeptide-pinp/188724>