

Mouse Procollagen I C-Terminal Propeptide (PICP) ELISA Kit | PICP elisa kit

Mouse Procollagen I C-Terminal Propeptide (PICP)(Competitive ELISA) ELISA Kit

CATALOG #
AAA152470

REACTIVITY
Mouse

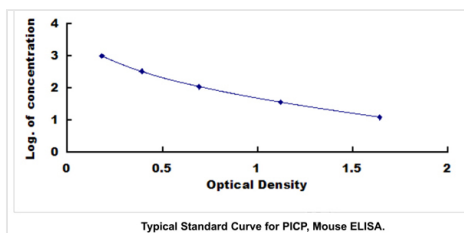
PRODUCT SYNONYMS

Procollagen I C-Terminal Propeptide (PICP); Mouse Procollagen I C-Terminal Propeptide (PICP)(Competitive ELISA) ELISA Kit; ELISA Kit for Procollagen I C-Terminal Propeptide (PICP); P1CP; C-Propeptide Of Type I Procollagen; Procollagen I Carboxy Terminal Propeptide; PICP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PICP. No significant cross-reactivity or interference between PICP and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	12.35-1,000ng/mL
Sensitivity	< 4.42ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PICP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PICP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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 PICP elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to PICP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled PICP and unlabeled PICP (Standards or samples) with the pre-coated antibody specific to PICP. 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 PICP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of PICP in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of PICP in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83301500
NCBI GeneID	12842
UniProt Accession #	P11087; Q53WT0; Q60635; Q61367; Q61427; Q63919; Q6PCL3; Q810J9
Molecular Weight	117,820 Da
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; collagen alpha-1(I) chain; alpha-1 type 1 collagen; alpha-1 type I collagen; procollagen, type I, alpha 1
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-c-terminal-propeptide-picp/152470>