Rat Carboxyterminal propeptide of type I procollagen, PI CP ELISA Kit | PICP elisa kit

Rat Carboxyterminal propeptide of type I procollagen, PI CP ELISA Kit

CATALOG #	REACTIVITY
AAA80209	**Rat**

PRODUCT SYNONYMS

Carboxyterminal propeptide of type I procollagen; PI CP; Rat Carboxyterminal propeptide of type I procollagen; PI CP ELISA Kit; PICP ELISA Kit; PICP; PICP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat P I CP. No significant cross-reactivity or interference between rat P I CP and analogues was observed.
Sequence Length	420
Samples	Serum, plasma
Assay Type	Sandwich
Detection Range	3.1 2 ng/ml -200 ng/ml.
Sensitivity	The minimum detectable dose of rat P I CP is typically less than 0.78 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PICP elisa kit	**Principle of the assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PICP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PICP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PICP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PICP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5002190
UniProt Accession #	Q9XZH2
Molecular Weight	44,733 Da
NCBI Official Full Name	pepstatin-insensitive carboxyl proteinase 1, partial
UniProt Protein Name	Pepstatin-insensitive carboxyl proteinase 1
UniProt Gene Name	**PICP**
UniProt Entry Name	Q9XZH2_AMOPR

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/picp-rat-elisa-kits/carboxyterminal-propeptide-of-type-i-procollagen-pi-cp/80209