

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

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CATALOG #
AAA331494

REACTIVITY
Human

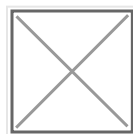
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human N-terminal procollagen III propeptide (PIIINP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PIIINP. No significant cross-reactivity or interference between Human PIIINP and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human N-terminal procollagen III propeptide (PIIINP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PIIINP elisa kit	Description: This Human N-terminal procollagen III propeptide (PIIINP) ELISA Kit employs a two-site sandwich ELISA to quantitate PIIINP in samples. An antibody specific for PIIINP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PIIINP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIIINP is added to the wells. After washing, Streptavidin 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 PIIINP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Plasma levels of PIIINP a marker of extracellular matrix metabolism activity have been linked to abdominal aortic aneurysm growth rate, but its relationship with thoracic aortic aneurysm (TAA) growth has never previously been studied. The PIIINP molecule is an indicator of both the synthesis and the degradation of type III collagen. Occasionally, the removal of PIIINP from the newly-synthesized type III collagen is not complete and the propeptide may remain attached to some of the molecules, known as type IIIpN-collagen. PIIINP is a degradation product of type IIIpN collagen. PIIINP has a molecular weight of 42 000 and contains three distinct domains: a triple-helical domain (Col 3) in the middle of the molecule, the Col 1-domain at the aminoterminal and Col 2-domain at the carboxyterminal end of the propeptide. PIIINP is cleared from the circulation by scavenger receptors in liver endothelial cells.
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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/human-elisa-kits/n-terminal-procollagen-iii-propeptide-piiinp/331494>