

Human Pro Atrial Natriuretic Peptide (Pro-ANP) ELISA Kit | Pro-ANP elisa kit

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CATALOG #
AAA331317

REACTIVITY
Human

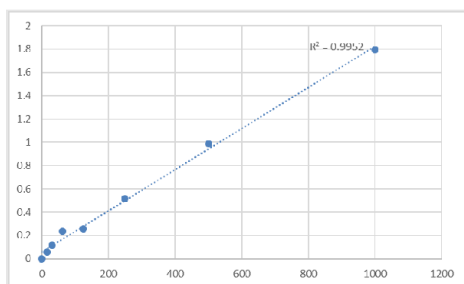
PRODUCT SYNONYMS

Pro Atrial Natriuretic Peptide (Pro-ANP); Human Pro Atrial Natriuretic Peptide (Pro-ANP) ELISA Kit; Pro-ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pro Atrial Natriuretic Peptide (Pro-ANP) ELISA Kit has high sensitivity and excellent specificity for detection of Human Pro-ANP. No significant cross-reactivity or interference between Human Pro-ANP 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 Pro Atrial Natriuretic Peptide (Pro-ANP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for Pro-ANP elisa kit	Description: This Human Pro Atrial Natriuretic Peptide (Pro-ANP) ELISA Kit employs a two-site sandwich ELISA to quantitate Pro-ANP in samples. An antibody specific for Pro-ANP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Pro-ANP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Pro-ANP 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 Pro-ANP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Atrial natriuretic peptide (ANP),is a polypeptide hormone involved in the homeostatic control of body water, sodium, and adiposity. It is released by atrial myocytes, muscle cells in the atria of the heart, in response to high blood pressure. ANP acts to reduce the water, sodium and adipose loads on the circulatory system, thereby reducing blood pressure.ANP is a 28 amino acid peptide with a 17 amino acid ring in the middle of the molecule. The ring is formed by a disulfide bond between two cysteine residues at positions 7 and 23. ANP is closely related to BNP and CNP which all share the same amino acid ring. ANP was discovered in 1981 by a team in Ottawa led by Adolfo J. de Bold after they made the seminal observation that injection of atrial (but not ventricular) tissue extracts into rats caused copious natriuresis.
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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://www.aaabiotech.com/human-elisa-kits/pro-atrial-natriuretic-peptide-pro-anp/331317>