

Human Atrial Natriuretic Peptide ELISA Kit | ANP elisa kit

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CATALOG #
AAA83543

REACTIVITY
Human

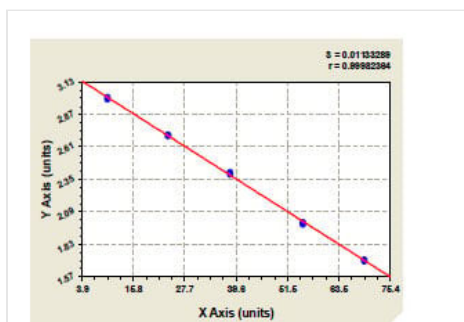
PRODUCT SYNONYMS

Atrial Natriuretic Peptide; Human Atrial Natriuretic Peptide ELISA Kit; ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for ANP elisa kit

Intended Uses: This ANP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ANP. This ELISA kit for research use only!

Principle of the Assay: ANP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ANP antibody and an ANP-HRP conjugate. The assay sample and buffer are incubated together with ANP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ANP concentration since ANP from samples and ANP-HRP conjugate compete for the anti-ANP antibody binding site. Since the number of sites is limited, as more sites are occupied by ANP from the sample, fewer sites are left to bind ANP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ANP elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	178638
NCBI GeneID	4878
Molecular Weight	16,708 Da
NCBI Official Full Name	atrial natriuretic peptide
NCBI Official Synonym Full Names	natriuretic peptide A
NCBI Official Symbol	NPPA
NCBI Official Synonym Symbols	ANF; ANP; PND; ATFB6; ATRST2; CDD-ANF
NCBI Protein Information	natriuretic peptides A; atriopeptin; cardionatrin; prepronatriodilatin; natriuretic peptide precursor A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	NPPA
UniProt Synonym Gene Names	ANP; PND; CDP; ANF; ANP
UniProt Entry Name	ANF_HUMAN

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/anp-human-elisa-kits/atrial-natriuretic-peptide/83543>