

Rat Atrial Natriuretic Peptide ELISA Kit | ANP elisa kit

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CATALOG #
AAA102525

REACTIVITY
Rat

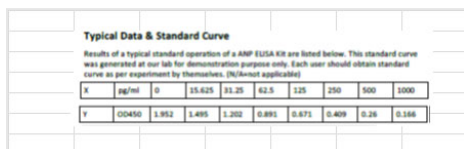
PRODUCT SYNONYMS

Atrial Natriuretic Peptide; Rat Atrial Natriuretic Peptide ELISA Kit; ANP/NPPA/ANF/Cardionatin/NPPA/PND/ANF/ANPatriopeptin/ATFB6/atrial natriuretic factor/Atrial natriuretic peptide/CDD-ANF/natriuretic peptide A/natriuretic peptide precursor A/PNDcardionatin/prepronatriodilatin/Prepronatriodilatin; ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ANP. No significant cross-reactivity or interference between ANP and analogues is observed.
Sequence Length	151
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ANP were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ANP were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANP elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with ANP. During the reaction, ANP in the sample or standard competes with a fixed amount of ANP on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to ANP. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of ANP in the samples is then determined by comparing the O D of the samples to the standard curve.

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; CDD; CDP; PND; ATRB6; ATRST2; CDD-ANF
NCBI Protein Information	natriuretic peptides A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	NPPA
UniProt Synonym Gene Names	ANP; PND; CDD; 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://stage.aaabiotech.com/anp-rat-elisa-kits/atrial-natriuretic-peptide/102525>