

Rat Atrial Natriuretic Peptide (ANP) ELISA Kit | ANP elisa kit

Rat Atrial Natriuretic Peptide (ANP) Mini Samples ELISA Kit

CATALOG #
AAA147330

REACTIVITY
Rat

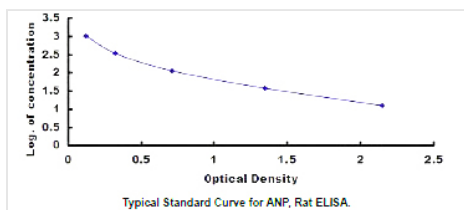
PRODUCT SYNONYMS

Atrial Natriuretic Peptide (ANP); Rat Atrial Natriuretic Peptide (ANP) Mini Samples ELISA Kit; ANH; ANF; PND; NPPA; CDD-ANF; Atrial Natriuretic Factor; Atrial Natriuretic Hormone; Atriopeptin; Natriuretic Peptide Precursor A; Prepronatriodilatin; Cardiodilatin-related peptide; ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AngII. No significant cross-reactivity or interference between AngII and analogues was observed.
Sequence Length	152
Samples	Rat Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	62.5-4000pg/mL
Sensitivity	24.31pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AngII were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AngII were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANP elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of AngII in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to AngII has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled AngII and unlabeled AngII (Standards or samples) with the pre-coated antibody specific to AngII. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of AngII in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of AngII in the sample.

Product Categories/Family for ANP
elisa kit

Endocrinology; Cardiovascular biology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981278
NCBI GeneID	24602
NCBI Accession #	NP_036744.1
NCBI GenBank Nucleotide #	NM_012612.2
UniProt Accession #	P01161
Molecular Weight	16,556 Da
NCBI Official Full Name	natriuretic peptides A
NCBI Official Synonym Full Names	natriuretic peptide A
NCBI Official Symbol	Nppa
NCBI Official Synonym Symbols	ANF; ANP; Pnd; RATANF
NCBI Protein Information	natriuretic peptides A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	Nppa
UniProt Synonym Gene Names	ANF; ANP

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/rat-elisa-kits/atrial-natriuretic-peptide-anp/147330>