

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

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CATALOG #
AAA69098

REACTIVITY
Rat

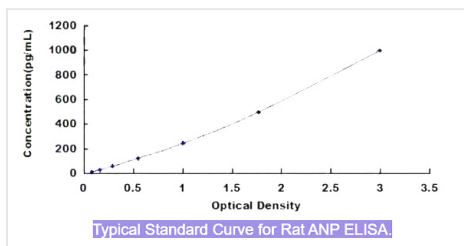
PRODUCT SYNONYMS

Atrial Natriuretic Peptide (ANP); Rat Atrial Natriuretic Peptide (ANP) ELISA Kit; ANH; ANF; CDD; Atrial Natriuretic Factor; Atrial Natriuretic Hormone; Atriopeptin; Cardionatrine; Cardiodilatin; ANP rtu 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 was observed.
Sequence Length	152
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.3pg/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<10%
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<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANP rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ANP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ANP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ANP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ANP in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ANP in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981278
NCBI GeneID	24602
NCBI Accession #	NP_036744.1
NCBI GenBank Nucleotide #	NM_012612.2
UniProt Accession #	B0BMW5; 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 peptide A
UniProt Gene Name	Nppa

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.