

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

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CATALOG #
AAA63398

REACTIVITY
Rabbit

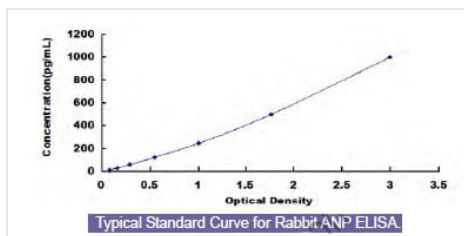
PRODUCT SYNONYMS

Atrial Natriuretic Peptide (ANP); Rabbit Atrial Natriuretic Peptide (ANP) 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	Rabbit
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	153
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.5pg/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 kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ANP in rabbit serum, plasma, tissue homogenates and other biological fluids. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723777
NCBI GeneID	100009087
NCBI Accession #	NP_001075731.1
NCBI GenBank Nucleotide #	NM_001082262.1
UniProt Accession #	P07500
Molecular Weight	16,843 Da
NCBI Official Full Name	natriuretic peptides A
NCBI Official Symbol	NPPA
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.