

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

Mouse Atrial Natriuretic Peptide (ANP) Mini Samples ELISA Kit

CATALOG #
AAA147329

REACTIVITY
Mouse

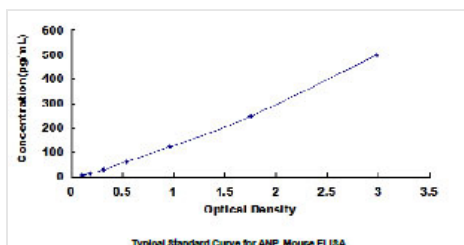
PRODUCT SYNONYMS

Atrial Natriuretic Peptide (ANP); Mouse 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	Mouse
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. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between ANP and all the analogues, therefore, cross reaction may still exist.
Sequence Length	152
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	4.64pg/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%

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 mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ANP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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 $\pm$ 10nm. The concentration of ANP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ANP elisa kit	Endocrinology; Cardiovascular biology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	59797056
NCBI GeneID	230899
NCBI Accession #	NP_032751.1
NCBI GenBank Nucleotide #	NM_008725.3
UniProt Accession #	P05125; Q5FW59
Molecular Weight	16,572 Da
NCBI Official Full Name	natriuretic peptides A preproprotein
NCBI Official Synonym Full Names	natriuretic peptide type A
NCBI Official Symbol	Nppa
NCBI Official Synonym Symbols	ANP; Anf; Pnd
NCBI Protein Information	natriuretic peptides A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	Nppa
UniProt Synonym Gene Names	Pnd; 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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/atrial-natriuretic-peptide-anp/147329>