

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

Mouse Atrial Natriuretic Peptide (ANP) Mini Samples ELISA Kit

CATALOG # AAA188681	REACTIVITY Mouse	APPLICATIONS ELISA
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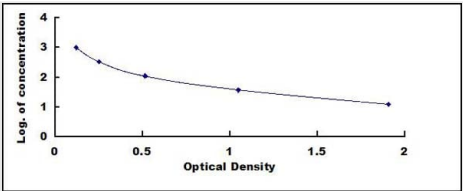
PRODUCT SYNONYMS

Atrial Natriuretic Peptide (ANP); Mouse Atrial Natriuretic Peptide (ANP) Mini Samples ELISA Kit; Atrial Natriuretic Peptide; ANH; ANF; CDD; Atrial Natriuretic Factor; Atrial Natriuretic Hormone; Atriopeptin; Cardionatriner; Cardiodilatin; ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Atrial Natriuretic Peptide (ANP). No significant cross-reactivity or interference between Mini Samples Atrial Natriuretic Peptide (ANP) and analogues was observed.
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	The minimum detectable dose of this kit is typically less than 4.64pg/mL
Applicable Applications for ANP elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Atrial Natriuretic Peptide (ANP) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Atrial Natriuretic Peptide (ANP) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Atrial Natriuretic Peptide (ANP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Atrial Natriuretic Peptide (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 Mini Samples Atrial Natriuretic Peptide (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 Mini Samples Atrial Natriuretic Peptide (ANP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	59797056
NCBI GeneID	230899
NCBI Accession #	NP_032751.1
NCBI GenBank Nucleotide #	NP_032751.1
UniProt Accession #	P05125
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; CDD; 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://stage.aaabiotech.com/mouse-elisa-kits/atrial-natriuretic-peptide-anp/188681>