

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

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CATALOG #
AAA188031

REACTIVITY
Simian

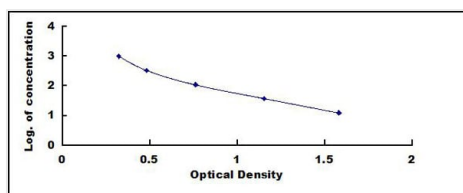
PRODUCT SYNONYMS

Atrial Natriuretic Peptide (ANP); Simian Atrial Natriuretic Peptide (ANP) ELISA Kit; ANH; ANF; CDD; Atrial Natriuretic Factor; Atrial Natriuretic Hormone; Atriopeptin; Cardionatrine; Cardiodilatin; ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Simian
Specificity	This assay has high sensitivity and excellent specificity for detection of Atrial Natriuretic Peptide (ANP). No significant cross-reactivity or interference between Atrial Natriuretic Peptide (ANP) and analogues was observed.
Sequence Length	137
Assay Type	Competitive Inhibition
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 5.35pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 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 Atrial Natriuretic Peptide (ANP) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
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)

ADDITIONAL INFORMATION

Related Product Information for ANP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Atrial Natriuretic Peptide (ANP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Atrial Natriuretic Peptide (ANP) and unlabeled Atrial Natriuretic Peptide (ANP) (Standards or samples) with the pre-coated antibody specific to Atrial Natriuretic Peptide (ANP). 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 Atrial Natriuretic Peptide (ANP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Atrial Natriuretic Peptide (ANP) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1159182438
NCBI Official Full Name	atrial natriuretic peptide, partial

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/simian-elisa-kits/atrial-natriuretic-peptide-anp/188031>