

Human atrial natriuretic peptide (ANP) ELISA Kit | ANP elisa kit

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CATALOG #
AAA247133

REACTIVITY
Human

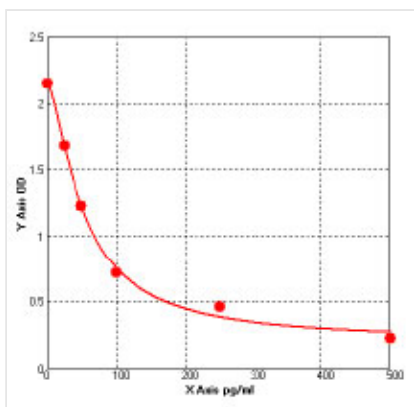
PRODUCT SYNONYMS

atrial natriuretic peptide (ANP); Human atrial natriuretic peptide (ANP) ELISA Kit; ANP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	137
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANP elisa kit

Intended Uses: This ANP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ANP. This ELISA kit for research use only!

Principle of the Assay: ANP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ANP antibody and an ANP-HRP conjugate. The assay sample and buffer are incubated together with ANP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ANP concentration since ANP from samples and ANP-HRP conjugate compete for the anti-ANP antibody binding site. Since the number of sites is limited, as more sites are occupied by ANP from the sample, fewer sites are left to bind ANP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1159182438
Molecular Weight	15,081 Da
NCBI Official Full Name	atrial natriuretic peptide, partial
UniProt Protein Name	Atrial natriuretic peptide
UniProt Gene Name	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/atrial-natriuretic-peptide-anp/247133>