

Rat atrial natriuretic factor ELISA Kit | ANF elisa kit

Rat atrial natriuretic factor ELISA Kit

CATALOG #
AAA86447

REACTIVITY
Rat

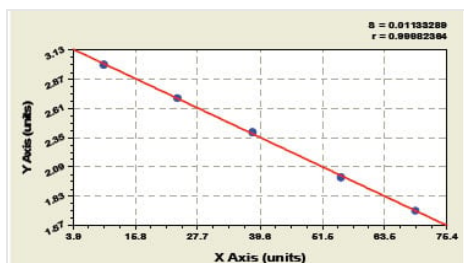
PRODUCT SYNONYMS

atrial natriuretic factor; Rat atrial natriuretic factor ELISA Kit; atrial natriuretic factor (Rat); ANF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANF elisa kit
Intended Uses: This ANF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ANF. This ELISA kit for research use only!

Principle of the Assay: ANF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ANF antibody and an ANF-HRP conjugate. The assay sample and buffer are incubated together with ANF-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 ANF concentration since ANF from samples and ANF-HRP conjugate compete for the anti-ANF antibody binding site. Since the number of sites is limited, as more sites are occupied by ANF from the sample, fewer sites are left to bind ANF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANF concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ANF elisa kit

Rat ELISA Kit

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	atrial natriuretic factor
NCBI Official Symbol	NPPA
NCBI Protein Information	natriuretic peptides A; ANF; ANP; prepronatriodilatin; atrial natriuretic factor; atrial natriuretic peptide; natriuretic peptide precursor A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	NPPA
UniProt Entry Name	ANF_RABIT

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/anf-rat-elisa-kits/atrial-natriuretic-factor/86447>