

Mouse atrial natriuretic factor ELISA Kit | ANF elisa kit

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CATALOG #
AAA86974

REACTIVITY
Mouse

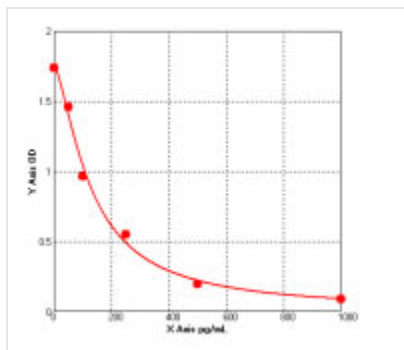
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ANF. No significant cross-reactivity or interference between ANF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ANF and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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	Principle of the Assay: ANF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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. Intended Uses: This ANF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ANF. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ANF elisa kit	Mouse 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-mouse-elisa-kits/atrial-natriuretic-factor/86974>