

## Human atrial natriuretic factor ELISA Kit | ANF elisa kit

Human atrial natriuretic factor ELISA Kit

CATALOG #  
**AAA82768**

REACTIVITY  
**Human**

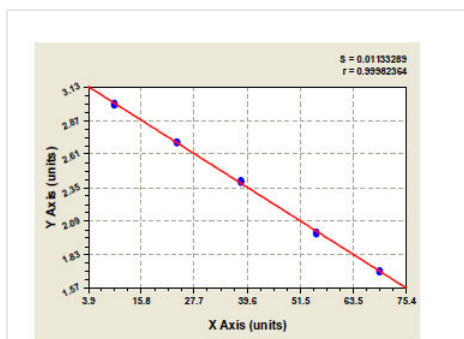
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| 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



### 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 Human ANF. This ELISA kit for research use only!

**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.

#### Product Categories/Family for ANF elisa kit

[Human 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-human-elisa-kits/atrial-natriuretic-factor/82768>