

## Rat N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP) ELISA Kit | NT-ProANP elisa kit

Rat N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP) Mini Samples ELISA Kit

|                               |                          |
|-------------------------------|--------------------------|
| CATALOG #<br><b>AAA147344</b> | REACTIVITY<br><b>Rat</b> |
|-------------------------------|--------------------------|

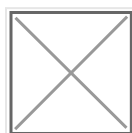
### PRODUCT SYNONYMS

N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP); Rat N-Terminal Pro-Atrial Natriuretic Peptide (NT-ProANP) Mini Samples ELISA Kit; NT-Pro-ANP; N-ANP; NT-ProANP elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Rat                                                                                                                                                                                                           |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of NT-ProANP. No significant cross-reactivity or interference between NT-ProANP and analogues was observed.                           |
| Sequence Length       | 152                                                                                                                                                                                                           |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                         |
| Samples               | Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                      |
| Detection Range       | 0.156-10ng/mL                                                                                                                                                                                                 |
| Sensitivity           | < 0.057ng/mL                                                                                                                                                                                                  |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NT-ProANP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NT-ProANP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NT-ProANP elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to NT-ProANP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NT-ProANP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NT-ProANP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of NT-ProANP in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NT-ProANP in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> |
| Product Categories/Family for NT-ProANP elisa kit   | Endocrinology; Cardiovascular biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 6981278                |
| NCBI GeneID                      | 24602                  |
| NCBI Accession #                 | NP_036744.1            |
| NCBI GenBank Nucleotide #        | NM_012612.2            |
| UniProt Accession #              | P01161                 |
| Molecular Weight                 | 16,556 Da              |
| NCBI Official Full Name          | natriuretic peptides A |
| NCBI Official Synonym Full Names | natriuretic peptide A  |
| NCBI Official Symbol             | Nppa                   |
| NCBI Official Synonym Symbols    | ANF; ANP; Pnd; RATANF  |
| NCBI Protein Information         | natriuretic peptides A |
| UniProt Protein Name             | Natriuretic peptides A |
| UniProt Gene Name                | <b>Nppa</b>            |
| UniProt Synonym Gene Names       | ANF; 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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/n-terminal-pro-atrial-natriuretic-peptide-nt-proanp/147344>