

## Rat Pro-ANP (Pro Atrial Natriuretic Peptide) ELISA Kit | Pro-ANP elisa kit

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CATALOG #  
**AAA276034**

REACTIVITY  
**Rat**

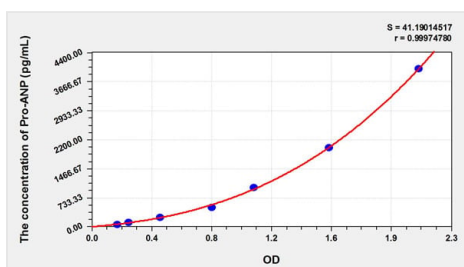
### PRODUCT SYNONYMS

Pro-ANP (Pro Atrial Natriuretic Peptide); Rat Pro-ANP (Pro Atrial Natriuretic Peptide) ELISA Kit; Pro-ANP; Pro-ANP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat Pro-ANP. No significant cross-reactivity or interference between Rat Pro-ANP and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                                |
| Detection Range         | 62.5-4000 pg/mL                                                                                                                                                                         |
| Sensitivity             | 15.6 pg/mL                                                                                                                                                                              |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.                   |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Pro-ANP elisa kit

**Principle of the Assay:** The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Pro Atrial Natriuretic Peptide(Pro-ANP). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Pro Atrial Natriuretic Peptide(Pro-ANP). 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 Pro Atrial Natriuretic Peptide(Pro-ANP), 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 Pro Atrial Natriuretic Peptide(Pro-ANP) in the samples is then determined by comparing the OD of the samples to the standard curve.

**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/rat-elisa-kits/pro-anp-pro-atrial-natriuretic-peptide/276034>