

## Rat Total Apelin ELISA Kit | Apelin elisa kit

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CATALOG #  
**AAA84252**

REACTIVITY  
**Rat**

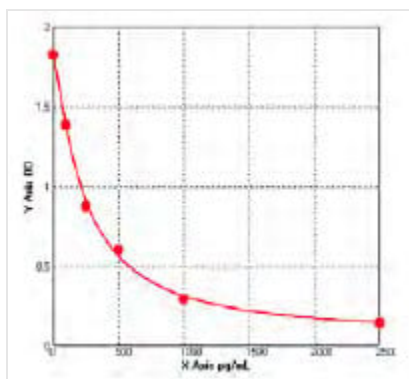
### PRODUCT SYNONYMS

Total Apelin; Rat Total Apelin ELISA Kit; Apelin elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Apelin elisa kit

**Intended Uses:** This APIL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine APIL. This ELISA kit for research use only!

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

## NCBI AND UNIPROT INFORMATION

|                            |             |
|----------------------------|-------------|
| NCBI GI #                  | 6708146     |
| Molecular Weight           | 8,569 Da    |
| NCBI Official Full Name    | apelin      |
| UniProt Protein Name       | Apelin      |
| UniProt Gene Name          | <b>APLN</b> |
| UniProt Synonym Gene Names | APEL        |
| UniProt Entry Name         | APEL_HUMAN  |

**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/total-apelin/84252>