

## Human APLN ELISA Kit | APLN elisa kit

Human APLN (Apelin) ELISA Kit

CATALOG #  
AAA164440

REACTIVITY  
Human

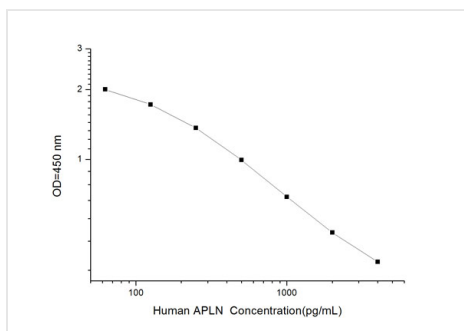
### PRODUCT SYNONYMS

APLN; Human APLN (Apelin) ELISA Kit; APLN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human APLN. No significant cross-reactivity or interference between Human APLN and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human APLN and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 77                                                                                                                                                                                                                                                                                                                                                                                            |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                              |
| Assay Type              | Competitive                                                                                                                                                                                                                                                                                                                                                                                   |
| Detection Range         | 62.5-4000pg/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Sensitivity             | Min: 37.5pg/mL; Max: 4000pg/mL                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for APLN elisa kit | <p><b>Description:</b> The kit is a competitive enzyme immunoassay for in vitro quantitative measurement of APLN in human serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Human APLN. During the reaction, Human APLN in the sample or standard competes with a fixed amount of Human APLN on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human APLN. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Human APLN in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 45120090                                     |
| NCBI GeneID                      | 8862                                         |
| NCBI Accession #                 | NP_059109.3                                  |
| NCBI GenBank Nucleotide #        | NM_017413.4                                  |
| UniProt Accession #              | Q9ULZ1; Q4VY08; Q8WU89                       |
| Molecular Weight                 | 8,569 Da                                     |
| NCBI Official Full Name          | apelin preproprotein                         |
| NCBI Official Synonym Full Names | apelin                                       |
| NCBI Official Symbol             | APLN                                         |
| NCBI Official Synonym Symbols    | APEL; XNPEP2                                 |
| NCBI Protein Information         | apelin; AGTRL1 ligand; APJ endogenous ligand |
| UniProt Protein Name             | Apelin                                       |
| UniProt Gene Name                | APLN                                         |
| 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.

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/human-elisa-kits/apln/164440>