

## Human apelin 36 (AP36) ELISA Kit | AP36 elisa kit

Human apelin 36, AP36 ELISA Kit

CATALOG #  
**AAA80808**

REACTIVITY  
**Human**

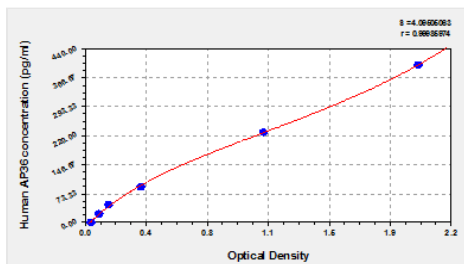
### PRODUCT SYNONYMS

apelin 36 (AP36); Human apelin 36; AP36 ELISA Kit; Human apelin 36 (AP36) ELISA Kit; AP36 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                             |
| Samples                 | Serum, plasma, tissue homogenates, Cell lysates                                                                                   |
| Detection Range         | 22.86 pg/ml-400 pg/ml                                                                                                             |
| Sensitivity             | 14.29 pg/ml                                                                                                                       |
| Detection Wavelength    | 450 nm                                                                                                                            |
| Sample Volume           | 50-100ul                                                                                                                          |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| <b>Related Product Information for AP36 elisa kit</b> | <p><b>Introduction:</b> The apelin gene encodes a preproprotein that is processed to generate a variety of bioactive peptides, including those having 36, 17, or 13 amino acids (apelin-36, apelin-17, and apelin-13, respectively). The apelin proteins are the endogenous ligands of the G protein-coupled receptor, APJ. Apelin-36 is the full-length mature peptide produced from the translated 77 amino acid prepropeptide. The apelins act primarily in the peripheral and central nervous system, playing important roles in regulating cardiovascular function, fluid homeostasis, hypertension, and insulin sensitivity. Apelin-36 is a less potent agonist of APJ than either apelin-17 or apelin-13 (EC50 = 20, 2.5, and 0.37 nM, respectively). Apelin-36 potently inhibits HIV-1 entry into cells expressing APJ and CD4, limiting HIV infection.</p> <p><b>Principle of the Assay:</b> The microtiter plate provided in this kit has been pre-coated with an antibody specific to AP36. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated antibody preparation specific for AP36 and incubated. Then substrate solution A and B are added to each well. Only those wells that contain AP36, HRP-conjugated antibody will exhibit a change in color. 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 AP36 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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**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/human-elisa-kits/apelin-36-ap36/80808>