

Human Apelin 12 ELISA Kit | AP12 elisa kit

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CATALOG #
AAA86300

REACTIVITY
Human

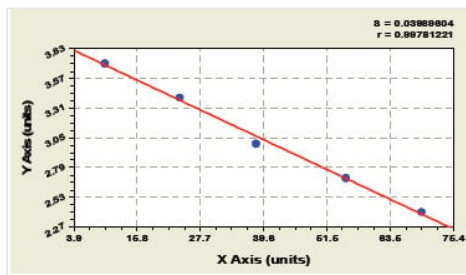
PRODUCT SYNONYMS

Apelin 12; Human Apelin 12 ELISA Kit; AP12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This AP-12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AP-12. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AP12 elisa kit

Principle of the assay: AP-12 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AP-12 antibody and an AP-12-HRP conjugate. The assay sample and buffer are incubated together with AP-12-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 AP-12 concentration since AP-12 from samples and AP-12-HRP conjugate compete for the anti-AP-12 antibody binding site. Since the number of sites is limited, as more sites are occupied by AP-12 from the sample, fewer sites are left to bind AP-12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AP-12 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AP12 elisa kit

[Signal Transduction](#)

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
Online datasheet: <https://stage.aaabiotech.com/ap12-human-elisa-kits/apelin-12/86300>