

Rat Apelin 17 ELISA Kit

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CATALOG #
AAA247653

REACTIVITY
Rat

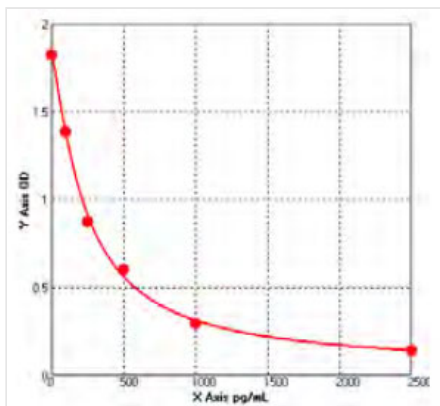
PRODUCT SYNONYMS

Apelin 17; Rat Apelin 17 ELISA Kit; Apelin 17 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AP17. No significant cross-reactivity or interference between AP17 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AP17 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Apelin 17 elisa kit	Intended Uses: This AP17 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AP17. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AP17 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AP17 antibody and an AP17-HRP conjugate. The assay sample and buffer are incubated together with AP17-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 AP17 concentration since AP17 from samples and AP17-HRP conjugate compete for the anti-AP17 antibody binding site. Since the number of sites is limited, as more sites are occupied by AP17 from the sample, fewer sites are left to bind AP17-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AP17 concentration in each sample is interpolated from this standard curve.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/apelin-17/247653>