

GuineaPig apelin 13, AP13 ELISA Kit | AP13 elisa kit

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CATALOG #
AAA83217

REACTIVITY
GuineaPig

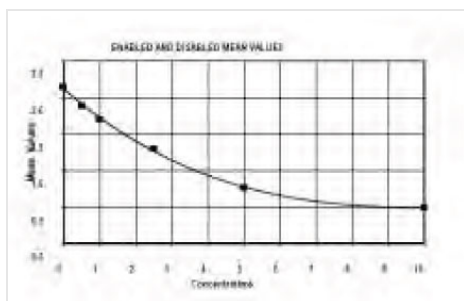
PRODUCT SYNONYMS

apelin 13; AP13; Guinea Pig apelin 13; AP13 ELISA Kit; AP13 ELISA Kit (Guinea Pig); AP13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	GuineaPig
Samples	Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AP13 elisa kit

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This APELIN-13 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of APELIN-13 in the sample, this APELIN-13 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus APELIN-13 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoassay for the quantitative measurement of APELIN-13 utilizes a monoclonal anti-APELIN-13 antibody and an APELIN-13-HRP conjugate. The assay sample and buffer are incubated together with APELIN-13-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 APELIN-13 concentration since APELIN-13 from samples and APELIN-13-HRP conjugate compete for the anti-APELIN-13 antibody binding site. Since the number of sites is limited, as more sites are occupied by APELIN-13 from the sample, fewer sites are left to bind APELIN-13-HRP conjugate. Standards of known APELIN-13 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of APELIN-13. The APELIN-13 concentration in each sample is interpolated from this standard curve.

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://www.aaabiotech.com/pig-elisa-kits/apelin-13-ap13/83217>