

Porcine Total Apelin ELISA Kit | Apelin elisa kit

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CATALOG #
AAA82764

REACTIVITY
Porcine

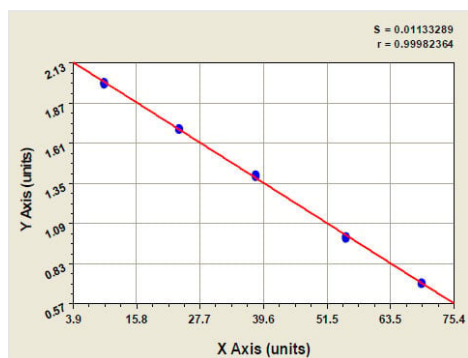
PRODUCT SYNONYMS

Total Apelin; Porcine Total Apelin ELISA Kit; Apelin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This Apelin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine Apelin. 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 Apelin elisa kit

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

Product Categories/Family for Apelin elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6708146
Molecular Weight	8,569 Da
NCBI Official Full Name	apelin
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
Online datasheet: <https://stage.aaabiotech.com/porcine-elisa-kits/total-apelin/82764>