

Bovine Apelin 12 ELISA Kit | AP12 elisa kit

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CATALOG #
AAA89267

REACTIVITY
Bovine

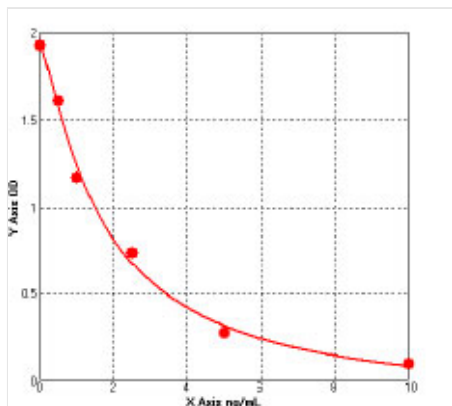
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of AP12. No significant cross-reactivity or interference between AP12 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AP12 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AP12 elisa kit	Intended Uses: This AP12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine AP12. This ELISA kit for research use only! Principle of the Assay: AP12 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-AP12 antibody and an AP12-HRP conjugate. The assay sample and buffer are incubated together with AP12-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 AP12 concentration since AP12 from samples and AP12-HRP conjugate compete for the anti-AP12 antibody binding site. Since the number of sites is limited, as more sites are occupied by AP12 from the sample, fewer sites are left to bind AP12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AP12 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.

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Online datasheet: <https://stage.aaabiotech.com/ap12-bovine-ovine-elisa-kits/apelin-12/89267>