

Porcine APLN (Apelin) ELISA Kit | APLN elisa kit

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CATALOG #
AAA248630

REACTIVITY
Porcine

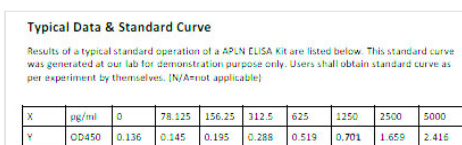
PRODUCT SYNONYMS

APLN (Apelin); Porcine APLN (Apelin) ELISA Kit; APLN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of ANXA1. No significant cross-reactivity or interference between ANXA1 and analogues was observed.
Sequence Length	77
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ANXA1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ANXA1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APLN elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ANXA1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ANXA1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ANXA1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ANXA1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6708146
NCBI GeneID	8862
Molecular Weight	8,569 Da
NCBI Official Full Name	apelin
NCBI Official Synonym Full Names	apelin
NCBI Official Symbol	APLN
NCBI Official Synonym Symbols	APEL; XNPEP2
NCBI Protein Information	apelin
UniProt Protein Name	Apelin
UniProt Gene Name	APLN
UniProt Synonym Gene Names	APEL

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/porcine-elisa-kits/apln-apelin/248630>