

Porcine Relaxin ELISA Kit | RLT elisa kit

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CATALOG #
AAA16793

REACTIVITY
Porcine

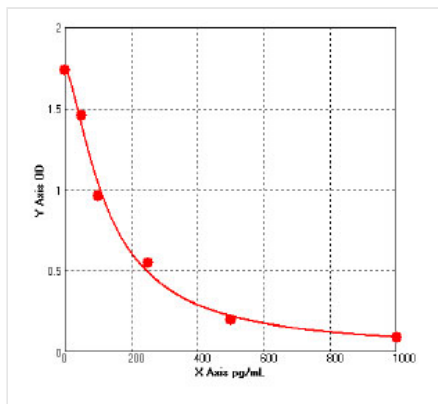
PRODUCT SYNONYMS

Relaxin; Porcine Relaxin ELISA Kit; RLT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of RLN. No significant cross-reactivity or interference between RLN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RLN and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 RLT elisa kit	Principle of the Assay: RLN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RLN antibody and an RLN-HRP conjugate. The assay sample and buffer are incubated together with RLN-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 RLN concentration since RLN from samples and RLN-HRP conjugate compete for the anti-RLN antibody binding site. Since the number of sites is limited, as more sites are occupied by RLN from the sample, fewer sites are left to bind RLN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RLN concentration in each sample is interpolated from this standard curve. Intended Uses: This RLN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine RLN. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for RLT elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	490056
NCBI GeneID	6013
Molecular Weight	13,011 Da
NCBI Official Full Name	relaxin
NCBI Official Synonym Full Names	relaxin 1
NCBI Official Symbol	RLN1
NCBI Official Synonym Symbols	H1; H1RLX; RLXH1; bA12D24.3.1; bA12D24.3.2
NCBI Protein Information	pror relaxin H1; prepror relaxin H1
UniProt Protein Name	Prorelaxin H1
UniProt Gene Name	RLN1
UniProt Entry Name	REL1_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.

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Online datasheet: <https://stage.aaabiotech.com/rlt-porcine-elisa-kits/relaxin/16793>