

Rat Relaxin (RLN) ELISA Kit | RLN elisa kit

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CATALOG #
AAA138442

REACTIVITY
Rat

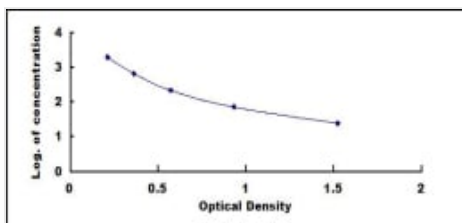
PRODUCT SYNONYMS

Relaxin (RLN); Rat Relaxin (RLN) ELISA Kit; RLXH1; Relaxin H1; Prorelaxin H1; RLN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Relaxin (RLN). No significant cross-reactivity or interference between Relaxin (RLN) and analogues was observed.
Sequence Length	117
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	24.69-2,000pg/mL
Sensitivity	8.79pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Relaxin (RLN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Relaxin (RLN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RLN elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Relaxin (RLN) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Relaxin (RLN) and unlabeled Relaxin (RLN) (Standards or samples) with the pre-coated antibody specific to Relaxin (RLN). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Relaxin (RLN) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Relaxin (RLN) in the sample.
Product Categories/Family for RLN elisa kit	Endocrinology; Reproductive science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	490056
NCBI GeneID	6013
UniProt Accession #	P04808; Q99936; Q9UQJ1
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	prorelaxin 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/rat-elisa-kits/relaxin-rln/138442>