

Rat Relaxin ELISA Kit | RLT elisa kit

Rat Relaxin ELISA Kit

CATALOG #
AAA83726

REACTIVITY
Rat

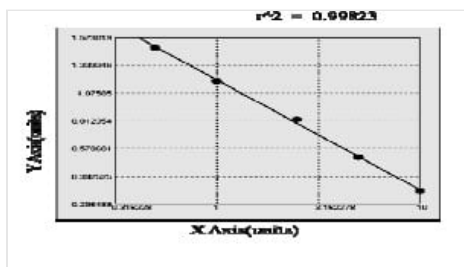
PRODUCT SYNONYMS

Relaxin; Rat Relaxin ELISA Kit; RLT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/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

Intended Uses: This RLN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat RLN. This ELISA kit for research use only!

Principle of the Assay: RLN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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	prorelaxin H1; preprorelaxin 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-rat-elisa-kits/relaxin/83726>