

Canine Relaxin ELISA Kit | RLT elisa kit

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CATALOG #
AAA88526

REACTIVITY
Canine

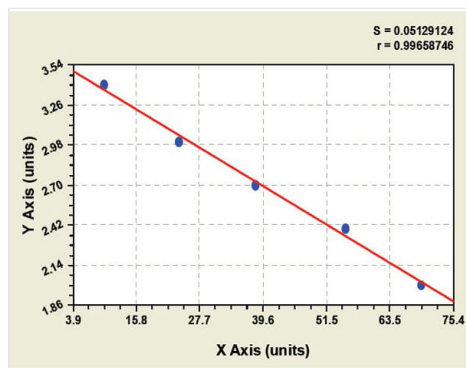
PRODUCT SYNONYMS

Relaxin; Canine Relaxin ELISA Kit; RLT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This RLN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine RLN. This ELISA kit for research use only, not for therapeutic applications!
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 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.

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-canine-elisa-kits/relaxin/88526>