

Human Relaxin (RLN) ELISA Kit

Catalog No: #EK12123



Package Size: #EK12123-1 48T #EK12123-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Relaxin (RLN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	H1; RLXH1; bA12D24.3.1; bA12D24.3.2; preprorelaxin H1 prorelaxin relaxin H1
Accession No.	P04808
Uniprot	P04808
GeneID	6013;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:24.69-2000 pg/mL

Sensitivity:8.92 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate RLN1 in samples. An antibody specific for RLN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyRLN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RLN1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RLN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Relaxin is a peptide hormone produced by the corpora lutea of ovaries during pregnancy in many mammalian species, including man.The secretion of the hormone into the blood stream just before parturition results in a marked softening and lengthening of the pubic symphysis and a softening of the cervix, which facilitates the birth process. By inhibiting uterine contractions, relaxin may influence the timing of parturition. Like insulin, relaxin consists of two peptide chains, A and B, covalently linked by disulfide bonds. By further analogy to insulin, the two peptides are synthesized as a single-chain precursor polypeptide with the B chain at the NH₂-terminus.

Note: This product is for in vitro research use only