

ARG81529 Human Relaxin 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81529-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81529-002	Standard	2 X 10 ng/vial	4°C
ARG81529-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81529-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81529-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81529-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81529-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81529-008	25X Wash buffer	20 ml	4°C
ARG81529-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81529-010	STOP solution	10 ml (Ready to use)	4°C
ARG81529-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81529 Human Relaxin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Relaxin 1 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Relaxin 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	39 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 6.0%
Alternate Names	bA12D24.3.1; bA12D24.3.2; Prorelaxin H1; RLXH1; H1; H1RLX

Application Instructions

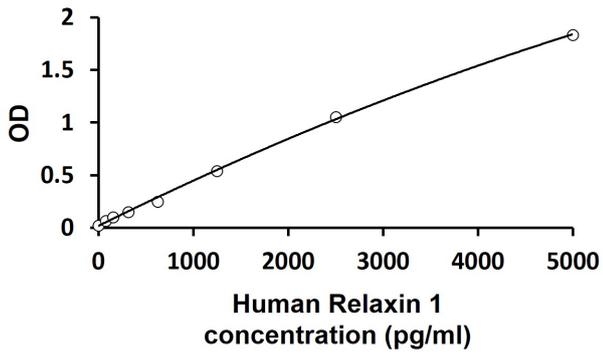
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RLN1
Gene Full Name	relaxin 1
Background	Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In humans there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3, where RLN1 and RLN2 share high sequence homology. The protein encoded by this gene is synthesized as a single-chain polypeptide but the active form consists of an A chain and a B chain linked by disulfide bonds. Relaxin is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin. [provided by RefSeq, Jan 2013]
Function	Relaxin is an ovarian hormone that acts with estrogen to produce dilatation of the birth canal in many mammals. May be involved in remodeling of connective tissues during pregnancy, promoting growth of pubic ligaments and ripening of the cervix. [UniProt]
Highlight	Related products: Relaxin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81529 Human Relaxin 1 ELISA Kit standard curve image

ARG81529 Human Relaxin 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.