

Rat gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) ELISA Kit | GNRH1 elisa kit

Rat gonadotropin-releasing hormone, GnRH ELISA Kit

CATALOG # AAA79665	REACTIVITY Rat
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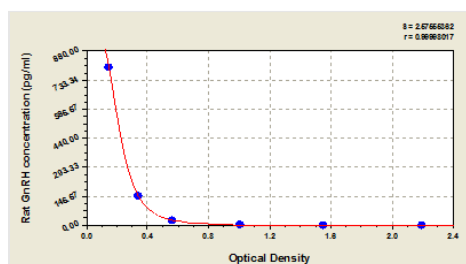
PRODUCT SYNONYMS

gonadotropin-releasing hormone 1 (luteinizing-releasing hormone); Rat gonadotropin-releasing hormone; GnRH ELISA Kit; GNRH; GRH; LHRH; LNRH; gonadotropin-releasing hormone 1; gonadotropin-releasing hormone 1 (luteinizing-releasing hormone) ; gonadotropin-releasing hormone 1 (lutienizing hormone-releasing hormone) ; GNRH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat GnRH. No significant cross-reactivity or interference between rat GnRH and analogues was observed.
Sequence Length	92
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	2 pg/ml -800 pg/ml.
Sensitivity	The minimum detectable dose of rat GnRH is typically less than 2pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest rat GnRH concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNRH1 elisa kit	Principle of the assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for GnRH and Horseradish Peroxidase (HRP) conjugated GnRH. The competitive inhibition reaction is launched between with HRP labeled GnRH and unlabeled GnRH with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of GnRH in the sample. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6980968
NCBI GeneID	25194
NCBI Accession #	NP_036899.1
NCBI GenBank Nucleotide #	NM_012767.2
UniProt Accession #	P07490
Molecular Weight	10,500 Da
NCBI Official Full Name	progonadoliberin-1
NCBI Official Synonym Full Names	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)
NCBI Official Symbol	Gnrh1
NCBI Official Synonym Symbols	Gnrh; Lhrh; Gnrha; Rgnrhg1
NCBI Protein Information	progonadoliberin-1; progonadoliberin I; gonadotropin releasing hormone 1; luteinizing hormone-releasing hormone
UniProt Protein Name	Progonadoliberin-1
UniProt Gene Name	Gnrh1
UniProt Synonym Gene Names	Gnrh; GnRH-I; LH-RH I
UniProt Entry Name	GON1_RAT

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/gnrh1-rat-elisa-kits/gonadotropin-releasing-hormone-1-luteinizing-releasing-hormone/79665>