

Mouse Gonadotropin Releasing Hormone (GnRH) ELISA Kit | GnRH elisa kit

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CATALOG #
AAA13903

REACTIVITY
Mouse

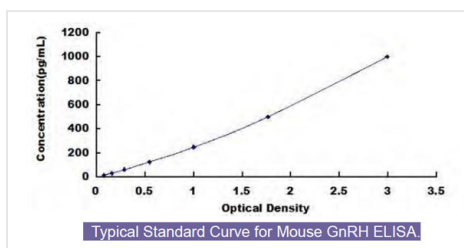
PRODUCT SYNONYMS

Gonadotropin Releasing Hormone (GnRH); Mouse Gonadotropin Releasing Hormone (GnRH) ELISA Kit; GNRH1; GRH; LNRH; LHRH; LH-RH I; Luliberin; Luteinizing-Hormone Releasing Hormone; Progonadoliberein-1; Gonadoliberein I; Gonadorelin; GnRH-associated peptide 1; GnRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GnRH. No significant cross-reactivity or interference between GnRH and analogues was observed.
Sequence Length	90
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 4.33pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GnRH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GnRH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GnRH elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GnRH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GnRH. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GnRH, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GnRH in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GnRH in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51093849
NCBI GeneID	14714
NCBI Accession #	NP_032171.1
NCBI GenBank Nucleotide #	NM_008145.3
UniProt Accession #	P13562
Molecular Weight	10,337 Da
NCBI Official Full Name	progonadoliberin-1 preproprotein
NCBI Official Synonym Full Names	gonadotropin releasing hormone 1
NCBI Official Symbol	Gnrh1
NCBI Official Synonym Symbols	hpg; Gnrh; LHRH; Lnrh; Gnrh2; Lhrh1
NCBI Protein Information	progonadoliberin-1
UniProt Protein Name	Progonadoliberin-1
UniProt Gene Name	Gnrh1
UniProt Synonym Gene Names	Gnrh; GnRH-I; LH-RH I

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/mouse-elisa-kits/gonadotropin-releasing-hormone-gnrh/13903>