

Mouse Gonadotropin-releasing hormone receptor (GNRHR) ELISA Kit | GNRHR elisa kit

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CATALOG #
AAA246980

REACTIVITY
Mouse

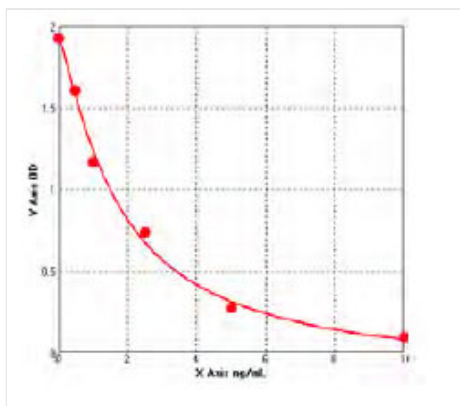
PRODUCT SYNONYMS

Gonadotropin-releasing hormone receptor (GNRHR); Mouse Gonadotropin-releasing hormone receptor (GNRHR) ELISA Kit; GNRHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GnRHR. No significant cross-reactivity or interference between GnRHR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GnRHR and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Intended Uses	This GNRHR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GNRHR. 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 GNRHR elisa kit	Principle of the Assay: GnRHR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GnRHR antibody and an GnRHR-HRP conjugate. The assay sample and buffer are incubated together with GnRHR-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 GnRHR concentration since GnRHR from samples and GnRHR-HRP conjugate compete for the anti-GnRHR antibody binding site. Since the number of sites is limited, as more sites are occupied by GnRHR from the sample, fewer sites are left to bind GnRHR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GnRHR concentration in each sample is interpolated from this standard curve. Intended Uses: This GnRHR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GnRHR. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GNRHR elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	957293
NCBI GeneID	2798
Molecular Weight	27,727 Da
NCBI Official Full Name	gonadotropin releasing hormone receptor, partial
NCBI Official Synonym Full Names	gonadotropin-releasing hormone receptor
NCBI Official Symbol	GNRHR
NCBI Official Synonym Symbols	HH7; GRHR; LRHR; LHRHR; GNRHR1
NCBI Protein Information	gonadotropin-releasing hormone receptor; gnRH-R; gnRH receptor; luliberin receptor; type I GnRH receptor; leutinizing-releasing hormone receptor; leutinizing hormone releasing hormone receptor; gonadotropin-releasing hormone (type 1) receptor 1
UniProt Protein Name	Gonadotropin-releasing hormone receptor
UniProt Gene Name	GNRHR
UniProt Synonym Gene Names	GRHR; GnRH receptor; GnRH-R
UniProt Entry Name	GNRHR_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/mouse-elisa-kits/gonadotropin-releasing-hormone-receptor-gnrhr/246980>