

Pig Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH) ELISA Kit | GnRH elisa kit

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CATALOG # AAA190135	REACTIVITY Pig
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PRODUCT SYNONYMS

Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH); Pig Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH) ELISA Kit; Anyi-GnRH ELISA kit (Pig); Gonadotropin Releasing Hormone; GNRH1; GRH; LNRH; LHRH; LH-RH I; Luliberin; Luteinizing-Hormone Releasing Hormone; Progonadoliberin-1; Gonadoliberin I; Gonadorelin; GnRH-associated peptide 1; GnRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH). No significant cross-reactivity or interference between Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH) and analogues was observed. Reactive with Pig GnRH/Gonadotropin Releasing Hormone
Assay Type	Indirect ELISA
Samples	Serum
Detection Range	3.12-200ng/mL
Sensitivity	1.15ng/mL
Sample Size	100uL
Detection Method	Colormetric
Featured Series	AE kit
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Function	Detects protein (antigen)
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 5 times 5. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 6. Add 50ul Stop Solution. Read at 450nm immediately.
Test Principle	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH) 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 Anti-Gonadotropin Releasing Hormone Antibody (Anti-GnRH) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Research Area	Endocrinology, Reproductive science, Neuro science, Genetic science, Hormone metabolism
Preparation and Storage	<p>Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life)</p> <p>The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.</p>

IMAGES



Standard Curve (Sample)

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/pig-elisa-kits/anti-gonadotropin-releasing-hormone-antibody-anti-gnrh/190135>