

Porcine Growth Hormone Releasing Hormone (GHRH) ELISA Kit | GHRH elisa kit

Pig Growth Hormone Releasing Hormone (GHRH) ELISA Kit

CATALOG #
AAA181942

REACTIVITY
Porcine

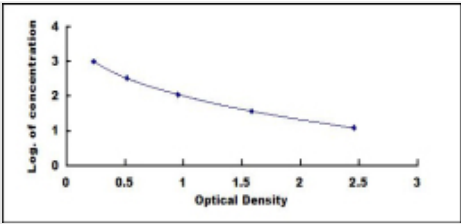
PRODUCT SYNONYMS

Growth Hormone Releasing Hormone (GHRH); Pig Growth Hormone Releasing Hormone (GHRH) ELISA Kit; GRF; GHRF; Somatocrinin; Growth-Hormone-Releasing Factor; Sermorelin; Somatoliberin; GHRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of Growth Hormone Releasing Hormone (GHRH). No significant cross-reactivity or interference between Growth Hormone Releasing Hormone (GHRH) and analogues was observed.
Sequence Length	235
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	12.35-1000pg/mL
Sensitivity	< 5.22pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Growth Hormone Releasing Hormone (GHRH) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Growth Hormone Releasing Hormone (GHRH) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GHRH elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Growth Hormone Releasing Hormone (GHRH) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Growth Hormone Releasing Hormone (GHRH) and unlabeled Growth Hormone Releasing Hormone (GHRH) (Standards or samples) with the pre-coated antibody specific to Growth Hormone Releasing Hormone (GHRH). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Growth Hormone Releasing Hormone (GHRH) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Growth Hormone Releasing Hormone (GHRH) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1706945
NCBI GeneID	2692
UniProt Accession #	Q02643; Q99863
Molecular Weight	47,402 Da
NCBI Official Full Name	growth hormone releasing hormone, partial
NCBI Official Synonym Full Names	growth hormone releasing hormone receptor
NCBI Official Symbol	GHRHR
NCBI Official Synonym Symbols	GRFR; GHRFR; IGHD1B
NCBI Protein Information	growth hormone-releasing hormone receptor
UniProt Protein Name	Growth hormone-releasing hormone receptor
UniProt Gene Name	GHRHR
UniProt Synonym Gene Names	GHRH receptor; GRF receptor; GRFR

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.