

Human Growth Hormone Releasing Hormone Receptor (GHRHR) ELISA Kit | GHRHR elisa kit

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CATALOG #
AAA149117

REACTIVITY
Human

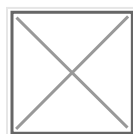
PRODUCT SYNONYMS

Growth Hormone Releasing Hormone Receptor (GHRHR); Human Growth Hormone Releasing Hormone Receptor (GHRHR) ELISA Kit; GHRFR; GHRHRpsv; GRFR; Growth hormone-releasing factor receptor; GHRHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of gGT7. No significant cross-reactivity or interference between gGT7 and analogues was observed.
Sequence Length	423
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.112ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level gGT7 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 gGT7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 GHRHR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of gGT7 in canine serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to gGT7. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to gGT7. 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 gGT7, 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 gGT7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GHRHR elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	58530851
NCBI GeneID	2692
NCBI Accession #	NP_000814.2
NCBI GenBank Nucleotide #	NM_000823.4
UniProt Accession #	Q02643; Q99863
Molecular Weight	47,402 Da
NCBI Official Full Name	growth hormone-releasing hormone receptor
NCBI Official Synonym Full Names	growth hormone releasing hormone receptor
NCBI Official Symbol	GHRHR
NCBI Official Synonym Symbols	GRFR; GHRFR; IGHD4; 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.