

Human Ghrelin (GHRL) ELISA Kit | GHRL elisa kit

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CATALOG #
AAA22837

REACTIVITY
Human

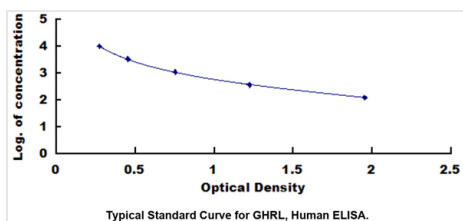
PRODUCT SYNONYMS

Ghrelin (GHRL); Human Ghrelin (GHRL) ELISA Kit; MTLRP; Growth Hormone-Releasing Peptide; GHRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GHRL. No significant cross-reactivity or interference between GHRL and analogues was observed.
Sequence Length	117
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	< 44.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GHRL 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 GHRL 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 GHRL elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to GHRL has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled GHRL and unlabeled GHRL (Standards or samples) with the pre-coated antibody specific to GHRL. 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 GHRL in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of GHRL in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of GHRL in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
References	Association of Gastric Myoelectrical Activity With Ghrelin, Gastrin, and Irisin in Adults With Metabolically Healthy and Unhealthy Obesity; Front Physiol; 2022 Apr 25;13:815026.; PMID: 35547577; Mahmoud M A Abulmeaty; Community Health Sciences Department, College of Applied Medical Sciences, King Saud University, Riyadh, Saudi Arabia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	304435649
NCBI GeneID	51738
Molecular Weight	12,992 Da
NCBI Official Full Name	ghrelin
NCBI Official Synonym Full Names	ghrelin and obestatin prepropeptide
NCBI Official Symbol	GHRL
NCBI Official Synonym Symbols	MTLRP
NCBI Protein Information	appetite-regulating hormone
UniProt Protein Name	Ghrelin

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.