

Rat Ghrelin (GHRL) ELISA Kit | GHRL elisa kit

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CATALOG #
AAA182201

REACTIVITY
Rat

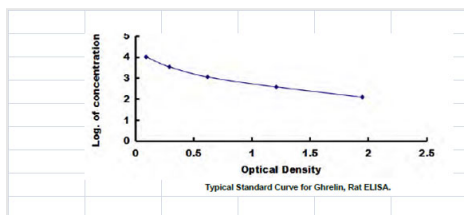
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ghrelin. No significant cross-reactivity or interference between ghrelin and analogues was observed.
Sequence Length	117
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	123.5-10,000pg/mL
Sensitivity	< 52.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ghrelin 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 ghrelin 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	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of ghrelin in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to ghrelin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled ghrelin and unlabeled ghrelin (Standards or samples) with the pre-coated antibody specific to ghrelin. 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 ghrelin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of ghrelin in the sample.
References	Investigating Helicobacter pylori-related pyloric hypomotility: functional, histological, and molecular alterations; Am J Physiol Gastrointest Liver Physiol; 2021 Nov 1;321(5):G461-G476.; PMID: 34431405; Aya Aly Ashraf; Department of Medical Physiology, Faculty of Medicine, Cairo University, Giza, Egypt.

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/ghrelin-ghrl/182201>