

Chicken Ghrelin (GHRL) CLIA Kit | GHRL clia kit

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CATALOG #
AAA130240

REACTIVITY
Chicken

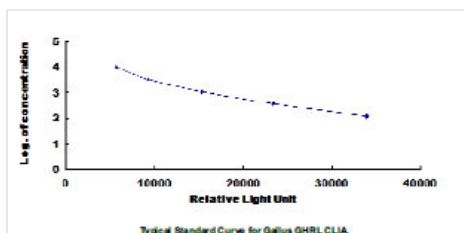
PRODUCT SYNONYMS

Ghrelin (GHRL); Chicken Ghrelin (GHRL) CLIA Kit; MTLRP; Growth Hormone-Releasing Peptide; GHRL clia kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of Ghrelin (GHRL). No significant cross-reactivity or interference between Ghrelin (GHRL) and analogues was observed.
Sequence Length	117
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell culture supernates and other biological fluids
Detection Range	39.06-10,000pg/mL
Sensitivity	17.31pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ghrelin (GHRL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ghrelin (GHRL) 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 GHRL clia kit	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Ghrelin (GHRL). A competitive inhibition reaction is launched between biotin labeled Ghrelin (GHRL) and unlabeled Ghrelin (GHRL) (Standards or samples) with the pre-coated antibody specific to Ghrelin (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 Ghrelin (GHRL) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Ghrelin (GHRL) level in the sample or standard.
Product Categories/Family for GHRL clia kit	Signal transduction; Metabolic pathway; Endocrinology; Gastroenterology; Hormone metabolism

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/obestatin prepropeptide
NCBI Official Symbol	GHRL
NCBI Official Synonym Symbols	MTLRP
NCBI Protein Information	appetite-regulating hormone
UniProt Protein Name	Ghrelin
UniProt Entry Name	E7CCH4_HUMAN

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/chicken-clia-kits/ghrelin-ghrl/130240>