Mouse Growth Hormone (GH) CLIA Kit | GH clia kit

Mouse Growth Hormone (GH) CLIA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA188793	**Mouse**	**CLIA (Chemiluminescence Immunoassay)**

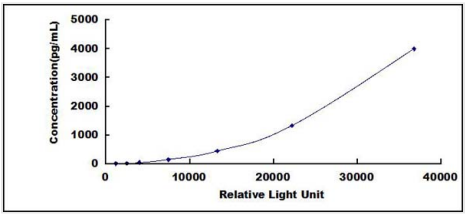
PRODUCT SYNONYMS

Growth Hormone (GH); Mouse Growth Hormone (GH) CLIA Kit; Growth Hormone; GH1; GH-N; GHN; hGH-N; Somatotropin; Hygetropin; Jintropin; Kigtropin; Pituitary Growth Hormone; Normal; GH clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Growth Hormone (GH). No significant cross-reactivity or interference between Growth Hormone (GH) and analogues was observed.
Sequence Length	216
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	5.49-4,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 1.95pg/mL
Applicable Applications for GH clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Growth Hormone (GH) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Growth Hormone (GH) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Growth Hormone (GH). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Growth Hormone (GH). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. 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 proportional to the Growth Hormone (GH) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679997
NCBI GeneID	14599
NCBI Accession #	NP_032143.1
NCBI GenBank Nucleotide #	NP_032143.1
UniProt Accession #	P06880
NCBI Official Full Name	somatotropin
NCBI Official Synonym Full Names	growth hormone
NCBI Official Symbol	Gh
NCBI Official Synonym Symbols	Gh1; Ghb1
NCBI Protein Information	somatotropin
UniProt Protein Name	Somatotropin
UniProt Gene Name	**Gh1**
UniProt Synonym Gene Names	Gh
UniProt Entry Name	SOMA_MOUSE

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://www.aaabiotech.com/mouse-clia-kits/growth-hormone-gh/188793