

Growth Hormone 2 (GH2) CLIA Kit | GH2 clia kit

CLIA Kit for Growth Hormone 2 (GH2)

CATALOG #
AAA130577

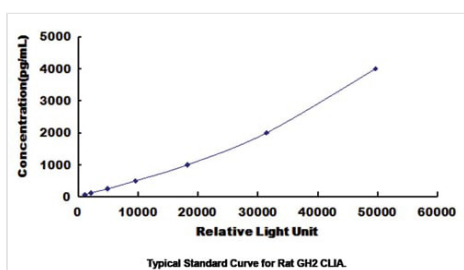
PRODUCT SYNONYMS

Growth Hormone 2 (GH2); CLIA Kit for Growth Hormone 2 (GH2); GH2 clia kit

PRODUCT SPECIFICATIONS

Specificity	This assay has high sensitivity and excellent specificity for detection of Growth Hormone 2 (GH2) No significant cross-reactivity or interference between Growth Hormone 2 (GH2) and analogues was observed.
Sequence Length	217
Assay Type	Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	5.487-4000pg/mL The standard curve concentrations used for the ELISA's were 4000pg/mL, 1333.33pg/mL, 444.44pg/mL, 148.15pg/mL, 49.383pg/mL, 16.461pg/mL, 5.487pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 28.7pg/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Growth Hormone 2 (GH2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Growth Hormone 2 (GH2) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Organism Species	Rattus norvegicus (Rat)
Assay Length	4.5 hours
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 GH2 clia kit	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. 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 2 (GH2) level in the sample or standard.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18088461
NCBI GeneID	2689
UniProt Accession #	P01242; O14643; O14644; P09587; B1A4H5; B1A4H7
Molecular Weight	25,000 Da
NCBI Official Full Name	Growth hormone 2
NCBI Official Synonym Full Names	growth hormone 2
NCBI Official Symbol	GH2
NCBI Official Synonym Symbols	GHL; GHV; GH-V; hGH-V
NCBI Protein Information	growth hormone variant; placenta-specific growth hormone; placental-specific growth hormone
UniProt Protein Name	Growth hormone variant
UniProt Gene Name	GH2
UniProt Synonym Gene Names	GH-V
UniProt Entry Name	SOM2_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.