

Human Growth Hormone 2 (GH2) ELISA Kit | GH2 elisa kit

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CATALOG #
AAA186024

REACTIVITY
Human

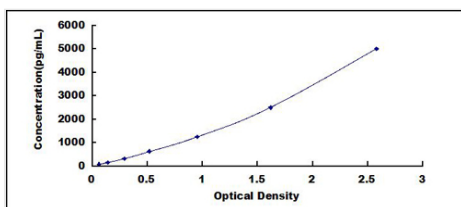
PRODUCT SYNONYMS

Growth Hormone 2 (GH2); Human Growth Hormone 2 (GH2) ELISA Kit; GH-V; GHL; GHV; hGH-V; Growth Hormone Variant; Placenta-Specific Growth Hormone; Placental Specific Growth Hormone; GH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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	245
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	78-5000pg/mL
Sensitivity	< 32pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
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/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 GH2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Growth Hormone 2 (GH2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Growth Hormone 2 (GH2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Growth Hormone 2 (GH2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Growth Hormone 2 (GH2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18088461
NCBI GeneID	2689
UniProt Accession #	P01242; O14643; O14644; P09587; B1A4H5; B1A4H7
Molecular Weight	27,101 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; GHB2; hGH-V
NCBI Protein Information	growth hormone variant
UniProt Protein Name	Growth hormone variant
UniProt Gene Name	GH2
UniProt Synonym Gene Names	GH-V

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.