

Human Growth Hormone ELISA Kit | GH1 elisa kit

Human Growth Hormone PicoKine ELISA Kit

CATALOG #
AAA45345

REACTIVITY
Human

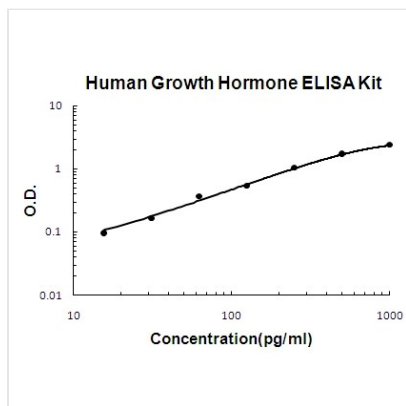
PRODUCT SYNONYMS

Growth Hormone; Human Growth Hormone PicoKine ELISA Kit; Somatotropin; growth hormone 1; gH; GH-N; GH1; GHN; Growth hormone; Growth hormone 1; HGH; Pituitary growth hormone; SOMA_HUMAN; GH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human GH
Sequence Length	217
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 2pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Growth Hormone PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GH1 elisa kit	Principle of the assay: human GH ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for GH has been precoated onto 96-well plates. Standards(E.coli,F27-F217) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for GH is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human GH amount of sample captured in plate. Background: Growth hormone (GH) is synthesized by acidophilic or somatotrophic cells of the anterior pituitary gland. Human growth hormone has a molecular mass of 22,005 and contains 191 amino acid residues with 2 disulfide bridges. The human genes for growth hormone (GH), has been located on chromosome 17 in humans. GH replacement of adults with acquired GH deficiency (GHD) results in body composition changes including increases in lean mass and bone mineral density. However, the effects of long-term GH therapy on cognitive function are largely unknown, and there are conflicting data regarding quality of life.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	2688
UniProt Accession #	B1A4G6; P01241
Molecular Weight	24,847 Da
NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH; GHN; GH-N; hGH-N; IGHD1B
NCBI Protein Information	somatotropin; pituitary growth hormone
UniProt Protein Name	Growth hormone 1 isoform 1
UniProt Gene Name	GH1
UniProt Entry Name	B1A4G6_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.

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Online datasheet: <https://stage.aaabiotech.com/gh1-human-elisa-kits/growth-hormone/45345>