

Human Growth Hormone ELISA Kit | GH1 elisa kit

Human Growth Hormone Pre-Coated ELISA Kit

CATALOG #
AAA79354

REACTIVITY
Human

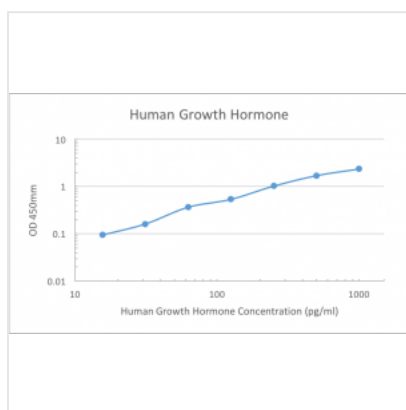
PRODUCT SYNONYMS

Growth Hormone; Human Growth Hormone Pre-Coated ELISA Kit; GH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Growth Hormone
Assay Type	Solid Phase Sandwich ELISA: 96-Well Strip Plate
Detection Range	15.6pg/mL-1,000pg/mL
Sensitivity	<2pg/ml
Components	Anti-Human Growth Hormone Pre-coated 96-well strip microplate Human Growth Hormone Standard Human Growth Hormone Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution Plate Sealers
Interference	No detectable cross-reactivity with other relevant proteins
Preparation and Storage	Store the unopened product at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GH1 elisa kit	Growth Hormone (GH), also known as somatotropin, is a pleiotropic cytokine of the hematopoietic growth factor superfamily, which encompasses most cytokines, hematopoietic growth factors, and related receptors, and includes the related growth hormone receptor, prolactin, placental lactogens, proliferins, and somatolactin (SST). GH is primarily recognized for its anabolic role in stimulating the growth and differentiation of muscle, bone, and cartilage. A number of other functions, including immunomodulatory actions, are also attributed to GH, due in part to the pervasive distribution of its receptors, and the indirect effects associated with GH-stimulated production of insulin-like growth factors (IGFs). Occurring predominantly in the somatotropes of the anterior pituitary, whereupon it is stored in secretory granules, production of GH has also been noted in many other tissues, including those of the hematopoietic system. The production and pulsatile release of circulating GH is very tightly regulated by both negative and positive feedback regulations of pituitary and hypothalamic hormones, such as Pituitary-specific Positive Transcription Factor 1 (POU1F1), Growth Hormone Releasing Hormone (GHRH), and somatostatin (SRIF). Deficient production of GH is associated with dwarfism and reduction of lean body mass, while overproduction is associated with acromegaly and gigantism, as well as breast tumor growth. Human Growth Hormone Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human Growth Hormone with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for VEGF. It contains E Coli-expressed recombinant Human Growth Hormone. The detection antibody is a biotinylated goat polyclonal antibody specific for Growth Hormone. The kit is analytically validated with ready to use reagents.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134703
NCBI GeneID	2688
UniProt Accession #	P01241; Q14405; Q16631; Q5EB53; Q9HBZ1; Q9UMJ7; Q9UNL5; A6NEF6
Molecular Weight	217
NCBI Official Full Name	Somatotropin
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	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH; GH-N
UniProt Entry Name	SOMA_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.