

Human Growth Hormone ELISA Kit | GH elisa kit

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CATALOG #
AAA82144

REACTIVITY
Human

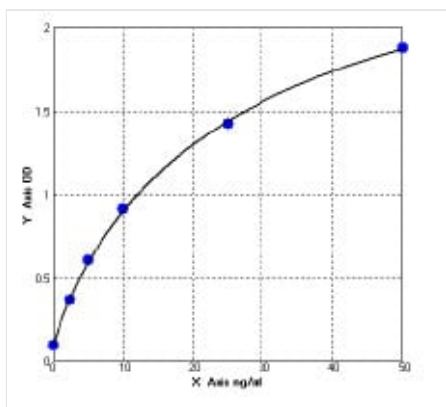
PRODUCT SYNONYMS

Growth Hormone; Human Growth Hormone ELISA Kit; GH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 mg/dL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GH elisa kit

Intended Uses: This GH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat GH. This ELISA kit for research use only!

Principle of the Assay: GH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GH antibody and an GH-HRP conjugate. The assay sample and buffer are incubated together with GH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GH concentration since GH from samples and GH-HRP conjugate compete for the anti-GH antibody binding site. Since the number of sites is limited, as more sites are occupied by GH from the sample, fewer sites are left to bind GH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	183157
NCBI GeneID	2688
Molecular Weight	20,201 Da
NCBI Official Full Name	growth hormone
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.

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Online datasheet: <https://stage.aaabiotech.com/gh-human-elisa-kits/growth-hormone/82144>