

Human Growth hormone ELISA Kit | GH elisa kit

Human Growth hormone (GH) ELISA Kit

CATALOG # AAA55849	REACTIVITY Human
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PRODUCT SYNONYMS

Growth hormone; Human Growth hormone (GH) ELISA Kit; GH; GH-N; GHN; IGHD1B; hGH-N; pituitary growth hormone; GH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human GH. No significant cross-reactivity or interference between Human GH and analogues was observed.
Sequence Length	204
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	3.12 ng/mL - 50 ng/mL
Sensitivity	1.04 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for GH elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to GH. Standards or samples are added to the appropriate microtiter plate wells with biotin-conjugated GH. A competitive inhibition reaction is launched between GH (Standards or samples) and biotin-conjugated GH with the pre-coated antibody specific for GH. The more amount of GH in samples, the less antibody bound by biotin-conjugated GH. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Substrate solution is added to the wells and the color develops in opposite to the amount of GH in the sample. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Human Growth hormone (GH) concentration in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13027812
NCBI GeneID	2688
NCBI Accession #	NP_000506.2
NCBI GenBank Nucleotide #	NM_000515.4

UniProt Accession #	P01241; Q14405; Q16631; Q5EB53; Q9HBZ1; Q9UMJ7; Q9UNL5; A6NEF6
Molecular Weight	20,201 Da
NCBI Official Full Name	somatotropin isoform 1
NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH; GHN; GH-N; GHB5; hGH-N; IGHD1B
NCBI Protein Information	somatotropin
UniProt Protein Name	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH; GH-N

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://www.aaabiotech.com/gh-human-elisa-kits/growth-hormone/55849>