

Bovine Growth Hormone (GH) ELISA Kit | GH elisa kit

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CATALOG #
AAA21064

REACTIVITY
Bovine

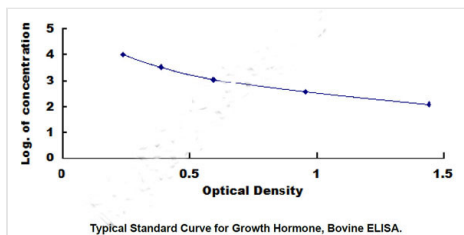
PRODUCT SYNONYMS

Growth Hormone (GH); Bovine Growth Hormone (GH) ELISA Kit; GH1; GH-N; GHN; hGH-N; Somatotropin; Hygetropin; Jintropin; Kigtropin; Pituitary Growth Hormone; Growth Hormone; Normal; GH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of growth hormone. No significant cross-reactivity or interference between growth hormone and analogues was observed.
Sequence Length	204
Assay Type	Quantitative Competitive
Samples	Bovine serum, plasma and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	< 51.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level growth hormone were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level growth hormone were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 GH elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to growth hormone has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled growth hormone and unlabeled growth hormone (Standards or samples) with the pre-coated antibody specific to growth hormone. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of growth hormone in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of growth hormone in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of growth hormone in bovine serum, plasma and other biological fluids.
Product Categories/Family for GH elisa kit	Endocrinology; Neuroscience; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	213890
Molecular Weight	23,110 Da
NCBI Official Full Name	growth hormone
UniProt Protein Name	Somatotropin
UniProt Gene Name	gh

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/bovine-ovine-elisa-kits/growth-hormone-gh/21064>