

Sheep Growth Hormone ELISA Kit | GH elisa kit

Sheep Growth Hormone (GH) (Competitive ELISA) ELISA Kit

CATALOG #
AAA190040

REACTIVITY
Sheep

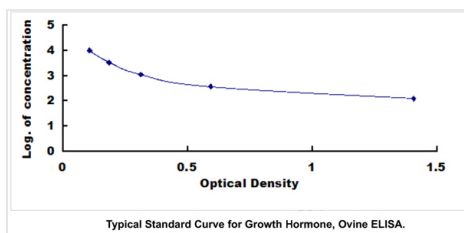
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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.
Assay Type	Quantitative Competitive
Samples	Ovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	< 53.5pg/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	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

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 ovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for GH elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	57527824
NCBI GeneID	443329
NCBI Accession #	NP_001009315.2
NCBI GenBank Nucleotide #	NM_001009315.3
UniProt Accession #	P67930; P01247; P07289; Q29404
Molecular Weight	24,631 Da
NCBI Official Full Name	somatotropin
NCBI Official Symbol	GH
NCBI Official Synonym Symbols	GH1
NCBI Protein Information	somatotropin; growth hormone 12
UniProt Protein Name	Somatotropin
UniProt Gene Name	GH1
UniProt Entry Name	SOMA_SHEEP

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-sheep-elisa-kits/growth-hormone/190040>