

Chicken Growth Hormone 2 ELISA Kit | GH2 elisa kit

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CATALOG #
AAA88455

REACTIVITY
Chicken

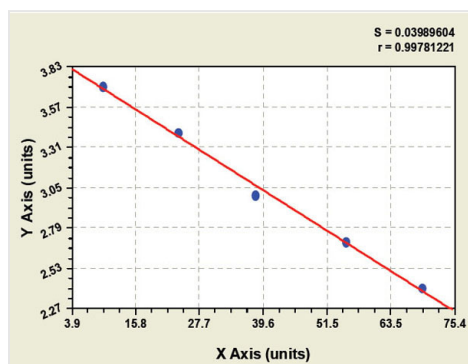
PRODUCT SYNONYMS

Growth Hormone 2; Chicken Growth Hormone 2 ELISA Kit; GH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This GH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GH2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GH2 elisa kit

Principle of the Assay: GH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GH2 antibody and an GH2-HRP conjugate. The assay sample and buffer are incubated together with GH2-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 GH2 concentration since GH2 from samples and GH2-HRP conjugate compete for the anti-GH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GH2 from the sample, fewer sites are left to bind GH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GH2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GH2 elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	18088461
NCBI GeneID	2689
UniProt Accession #	P01242; O14643; O14644; P09587; B1A4H5; B1A4H7; Q6FH32; Q6FH54
Molecular Weight	25,000 Da
NCBI Official Full Name	Growth hormone 2
NCBI Official Synonym Full Names	growth hormone 2
NCBI Official Symbol	GH2
NCBI Official Synonym Symbols	GHL; GHV; GH-V; hGH-V
NCBI Protein Information	growth hormone variant; placenta-specific growth hormone; placental-specific growth hormone
UniProt Protein Name	Growth hormone variant
UniProt Gene Name	GH2
UniProt Synonym Gene Names	GH-V
UniProt Entry Name	SOM2_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://www.aaabiotech.com/gh2-chicken-elisa-kits/growth-hormone-2/88455>