

Rat Growth Hormone 2 ELISA Kit | GH2 elisa kit

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CATALOG #
AAA84956

REACTIVITY
Rat

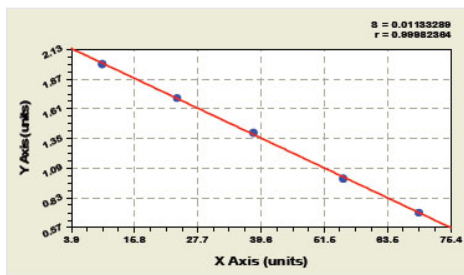
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This GH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18088461
NCBI GeneID	2689
Molecular Weight	27,101 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://stage.aaabiotech.com/gh2-rat-elisa-kits/growth-hormone-2/84956>