

Human Growth Hormone Receptor (GHR) ELISA Kit | GHR elisa kit

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CATALOG #
AAA64438

REACTIVITY
Human

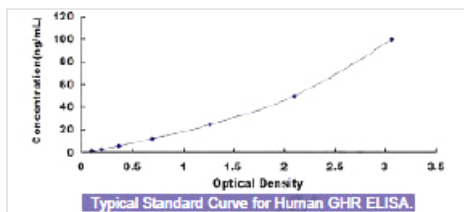
PRODUCT SYNONYMS

Growth Hormone Receptor (GHR); Human Growth Hormone Receptor (GHR) ELISA Kit; GHBP Somatotropin receptor Growth hormone-binding protein Serum-binding protein; GHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GHR. No significant cross-reactivity or interference between GHR and analogues was observed.
Sequence Length	638
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GHR 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 GHR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GHR elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GHR in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GHR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GHR. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GHR, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GHR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503993
NCBI GeneID	2690
NCBI Accession #	NP_000154.1
NCBI GenBank Nucleotide #	NM_000163.4
UniProt Accession #	P10912; Q9HCX2
Molecular Weight	69,237 Da
NCBI Official Full Name	growth hormone receptor isoform 1
NCBI Official Synonym Full Names	growth hormone receptor
NCBI Official Symbol	GHR
NCBI Official Synonym Symbols	GHBP; GHIP
NCBI Protein Information	growth hormone receptor
UniProt Protein Name	Growth hormone receptor
UniProt Gene Name	GHR
UniProt Synonym Gene Names	GH receptor; GH-binding protein; GHBP

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/human-elisa-kits/growth-hormone-receptor-ghr/64438>