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Datasheet for ABIN2703050 Growth Hormone Receptor ELISA Kit

Image



Overview

Quantity:	96 tests
Target:	Growth Hormone Receptor (GHR)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.4-100 ng/mL
Minimum Detection Limit:	0.4 ng/mL
Application:	ELISA

Product Details

Purpose:	Human Growth Hormone R ELISA Kit for Cell Culture Supernatants, Plasma, and Serum samples.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes human Growth Hormone R. Other species not yet determined.
Sensitivity:	0.4 ng/mL
Characteristics:	 Strip plates and additional reagents allow for use in multiple experiments Quantitative protein detection Establishes normal range The best products for confirmation of antibody array data

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Product Details

Components:	 Pre-Coated 96-well Strip Microplate Wash Buffer Stop Solution Assay Diluent(s) Lyophilized Standard Biotinylated Detection Antibody Streptavidin-Conjugated HRP TMB One-Step Substrate
Material not included:	 Distilled or deionized water Precision pipettes to deliver 2 µL to 1 µL volumes Adjustable 1-25 µL pipettes for reagent preparation 100 µL and 1 liter graduated cylinders Tubes to prepare standard and sample dilutions Absorbent paper Microplate reader capable of measuring absorbance at 450nm Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target:	Growth Hormone Receptor (GHR)
Alternative Name:	GHR (GHR Products)
Background:	Gene Names: GHR Protein names: Growth hormone receptor (GH receptor) (Somatotropin receptor) [Cleaved into: Growth hormone-binding protein (GH-binding protein) (GHBP) (Serum-binding protein)]
Gene ID:	2690
UniProt:	P10912
Pathways:	NF-kappaB Signaling, JAK-STAT Signaling, Response to Growth Hormone Stimulus

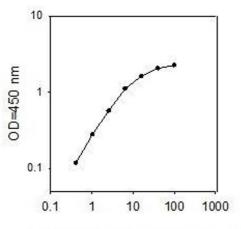
Application Details

Application Notes:	Recommended Dilution for serum and plasma samples2 fold
Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	 Prepare all reagents, samples and standards as instructed in the manual. Add 100 μL of standard or sample to each well. Incubate 2.5 h at RT or O/N at 4 °C.

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	4. Add 100 μ L of prepared biotin antibody to each well.
	5. Incubate 1 h at RT.
	6. Add 100 μL of prepared Streptavidin solution to each well. 7. Incubate 45 min at RT. 8. Add 100 μL of TMB One-Step Substrate Reagent to each well. 9. Incubate 30 min at RT.
	10. Add 50 μ L of Stop Solution to each well.
	11. Read at 450 nm immediately.
Restrictions:	For Research Use only
Handling	
Storage:	-20 °C
Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated
	freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is
	recommended to store at -80°C.
Expiry Date:	6 months

Images



Human GHR concentration (ng/ml)

