Datasheet for ABIN2703058

Glucagon ELISA Kit

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Overview

Quantity:	96 tests
Target:	Glucagon (GCG)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	2.5-130 pg/mL
Minimum Detection Limit:	2.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Human Glucagon ELISA Kit for cell culture supernatants, plasma, and serum samples.
Sample Type:	Plasma, Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair detects human Glucagon. Other species not determined.
Sensitivity:	2.5 pg/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
Components:	• Pre-Coated 96-well Strip Microplate

Product Details

	• 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:	Glucagon (GCG)
Alternative Name:	Glucagon (GCG Products)
Background:	Gene Names: GCG Protein names: Glucagon [Cleaved into: Glicentin, Glicentin-related polypeptide (GRPP), Oxyntomodulin (OXM) (OXY), Glucagon, Glucagon-like peptide 1 (GLP-1) (Incretin hormone), Glucagon-like peptide 1(7-37) (GLP-1(7-37)), Glucagon-like peptide 1(7-36) (GLP-1(7-36)), Glucagon-like peptide 2 (GLP-2)]
Gene ID:	2641
UniProt:	P01275
Pathways:	Positive Regulation of Peptide Hormone Secretion, Peptide Hormone Metabolism, cAMP Metabolic Process, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples2 fold
Sample Volume:	100 µL
Plate:	Pre-coated

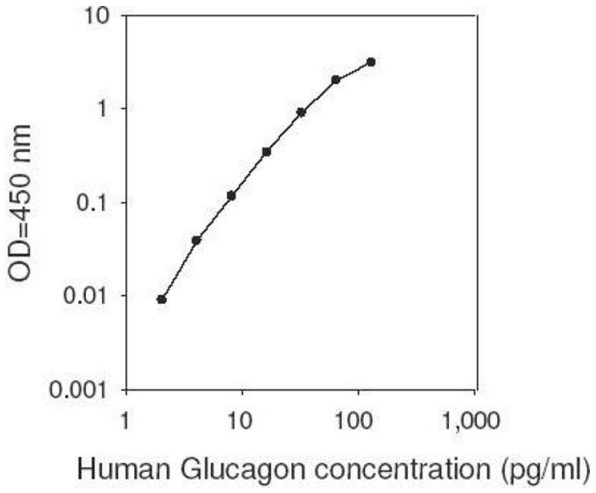
Application Details

Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual. 2. Add 100 µL of standard or sample to each well. 3. Incubate 2.5 h at RT or O/N at 4 °C. 4. Add 100 µL 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 µL 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



ELISA

Image 1.