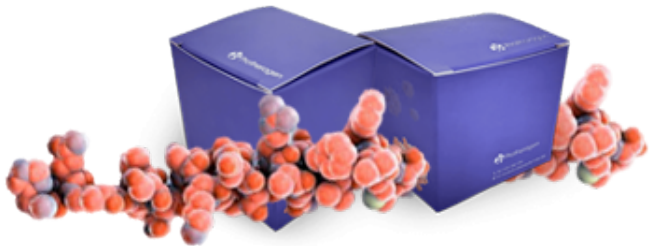
Protheragen Obesity



Chicken glucagon (GCG) ELISA kit (23.437-1500 pg/mL)

Cat. No.:	0126WXX-50
Assay Type:	Quantitative competitive ELISA
Target Species:	Chicken
Assay Target:	GCG
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Chicken glucagon (GCG) ELISA kit (23.437-1500 pg/mL) is an ELISA-based *in vit ro* research tool designed specifically for the quantitative detection of GCG in chicken samples with a range of 23.437-1500 pg/mL and a minimum detectable d ose (sensitivity) of 7.25 pg/mL. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on GCG antibody-GCG antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GCG antigen targets in samples.
Background	Glucagon is a hormone secreted by A cells of the islets of Langerhans, playing a pivotal role in glucose metabolism and homeostasis. Its primary function is to regulate blood glucose levels by promoting gluconeogenesis and inhibiting glycol ysis. The dynamic equilibrium between glucagon and insulin is crucial for mainta ining healthy metabolism. The detection of glucagon and analysis of its associat ed pathways provide key insights into understanding and treating obesity.
Synonyms	GLP1; GLP2; GRPP; Glicentin-related polypeptide; Glucagen; Oxyntomodulin; Incret in hormone; GC
Formula Weight	17,520 Da
Applications	Chicken glucagon (GCG) ELISA kit (23.437-1500 pg/mL) is used to quantify GCG in serum, plasma, tissue homogenates, cell lysates, cell culture supernates, and ot her biological fluids of chicken, providing data to support research in a wide r ange of areas, including endocrinology, obesity, metabolism, and others.

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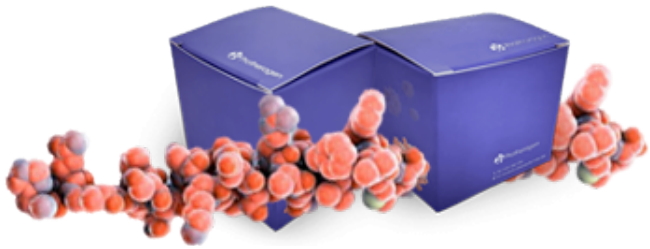

Research Area	Endocrinology; Obesity; Metabolism

Specification

Sample Type	Serum; Plasma; Tissue homogenates; Cell lysates; Cell culture supernates; Other biological fluids
Detection Range	23.437-1500 pg/mL
Sensitivity	7.25 pg/mL
Precision (Intra-assay)	CV<10%
Precision (Inter-assay)	CV<12%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 4°C (TMB substrate, wash buffer, stop solution) and -20°C (other reagen ts).

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