

CATALOG# 81519

RAT GLUCAGON ELISA KIT

Catalog number

Rat Glucagon ELISA Kit.....81519

Intended use

A high quality enzyme immunoassay for the quantification of rat glucagon in serum, plasma, and cell culture medium.

Test principle

The Rat Glucagon ELISA kit is based on a sandwich enzyme immunoassay that uses a 96-well plate coated with a specific antibody to rat glucagon and second, HRP-labeled, specific monoclonal antibody. The rat glucagon in the sample or standard binds to the antibodies in the well and HRP-labeled antibody in solution to form a complex on the surface. The rat glucagon concentration is determined by HRP enzyme activity using a color change reaction.

Specifications

Sample Types	Serum, Plasma, and Cell Culture
Assay Time	Overnight
Range	7.8 - 500 pg / mL
Sample Size	10 µL
Sensitivity	< 1.1 pg/mL
Precision	CV < 10%

Specificity

Rat glucagon.....100%
 GLP-1 (7-36 or 9-36) NH₂.....Not detected
 GLP-2.....Not detected
 Glicentin..... < 1%
 Oxyntomodulin..... < 1%

Highlights

- ✓ Very small sample volume (10 µL)
- ✓ Easy-to-use 1-step ELISA
- ✓ Compatible with serum, plasma, and cell culture
- ✓ No significant (< 1%) cross-reactivity with GLP-1, GLP-2, glicentin, oxyntomodulin, or mini-glucagon

Summary of protocol

