

CATALOG# 81518

# MOUSE GLUCAGON ELISA KIT

## Catalog number

Mouse Glucagon ELISA Kit.....81518

## Intended use

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

## Test principle

The Mouse Glucagon ELISA kit is based on a sandwich enzyme immunoassay that uses a 96-well plate coated with a specific antibody to mouse glucagon and second, HRP-labeled, specific monoclonal antibody. The mouse 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 mouse glucagon concentration is determined by HRP enzyme activity using a color change reaction.

## Specifications

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

## Specificity

Mouse glucagon.....100%  
 GLP-1 (7-36 or 9-36) NH<sub>2</sub>..... 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

