CATALOG# 81513





Catalog number

Rat GLP-2 ELISA Kit......81513

Intended use

A high quality enzyme immunoassay for the quantification of rat GLP-2 in serum and plasma.

Test principle

Crystal Chem's Rat GLP-2 ELISA kit is an enzyme-linked immunosorbent assay based on the principle of competitive binding. An unknown amount of GLP-2 present in the sample and a defined amount of enzyme linked GLP-2 compete for the binding sites on the microplate. After a wash step, a substrate solution is added, and the concentration of GLP-2 is determined.

Specifications

Sample Types	Serum and Plasma
Assay Time	Overnight
Range	0.14 - 100 ng/mL
Sample Size	25 μL
Sensitivity	0.14 ng/mL
Precision	CV < 10%

Specificity

GLP-2 (1-33)	100%
GLP-2 (3-33)	100%
GLP-1	< 0.1%
Glucagon	< 0.1%

Highlights

- ✓ Kits use only 25 µL sample
- √ Very sensitive (0.14 ng/mL)
- ✓ High cross-reactivity to GLP-2 (1-33) and GLP-2 (3-33)
- ✓ Wide dynamic range

Summary of protocol

Add 75 µL labeled antigen solutin to well plate

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Add 25 µL sample or standard

↓
Add 50 µL of GLP-2 antibody
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Incubate 16-18 hours at 4°C
↓
Wash plate
↓
Add 100 µL streptavidin-HRP conjugate
↓
Wash plate
↓
Add 100 µL of working substrate solution
↓
Incubate 30 minutes at room temperature
↓
Add 100 µL of stop solution
↓
Measure OD at 490/630 nm