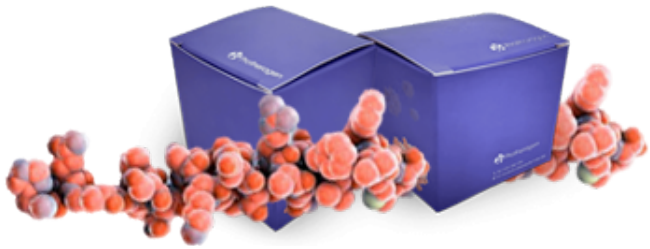
Protheragen
Obesity



Rat glucagon-like peptide 2 (GLP-2) ELISA kit (15.6-1000 pg/mL)

Cat. No.:	0126WXX-228
Assay Type:	Quantitative sandwich ELISA
Target Species:	Rat
Assay Target:	GLP-2
Size:	48T; 96T

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

Product Overview

Description	Rat glucagon-like peptide 2 (GLP-2) ELISA kit (15.6-1000 pg/mL) is an ELISA-base d *in vitro* research tool designed specifically for the quantitative detec tion of GLP-2 in rat samples with a range of 15.6-1000 pg/mL and a minimum detec table dose (sensitivity) of 5 pg/mL. The kit is highly sensitive and easy to use .
Assay Principle	This assay utilizes a double-sandwich ELISA technique. The microplate is pre-coa ted with a rat GLP-1 monoclonal antibody, and the detection antibody is a biotin -labeled polyclonal antibody. Samples and the detection antibody are added to th e wells and washed with PBS or TBS. Avidin-peroxidase conjugates and TMB substra te are then added in sequence. The enzymatic reaction produces a blue product th at turns yellow under acidic conditions. The color intensity is positively corre lated with the GLP-1 concentration in the sample.
Background	GLP-2, as an incretin, primarily functions to promote intestinal growth and nutr ient absorption. Recent studies have revealed that GLP-2's association with obes ity primarily manifests through its regulatory effects on intestinal barrier fun ction and the gut microbiome. By improving gut health, GLP-2 may indirectly infl uence metabolism. Furthermore, ongoing research is exploring the potential appli cations of GLP-2 and its analogues in regulating fat metabolism and energy expen diture, offering new avenues for obesity treatment.
Synonyms	Glp2; GLP2
Formula Weight	20,909 Da

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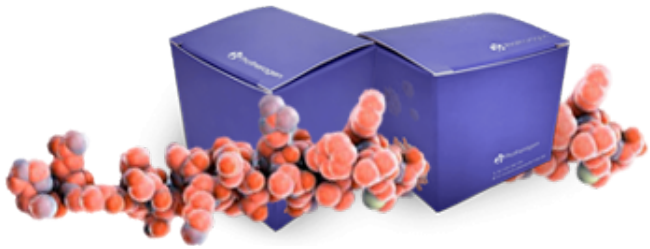

Applications	Rat glucagon-like peptide 2 (GLP-2) ELISA kit (15.6-1000 pg/mL) is used to quant ify GLP-2 in rat serum, plasma, cell culture supernatant, and organizations, pro viding data to support research in a wide range of areas, including metabolism, endocrinology, cardiovascular biology, obesity, and others.
Research Area	Metabolism; Endocrinology; Cardiovascular biology; Obesity

Specification

Sample Type	Rat serum; Plasma; Cell culture supernatant; Organizations
Detection Range	15.6-1000 pg/mL
Sensitivity	5 pg/mL
Precision (Intra-assay)	CV≤8%
Precision (Inter-assay)	CV≤12%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Recovery	70-110%
Storage	Store at 2-8°C.

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