

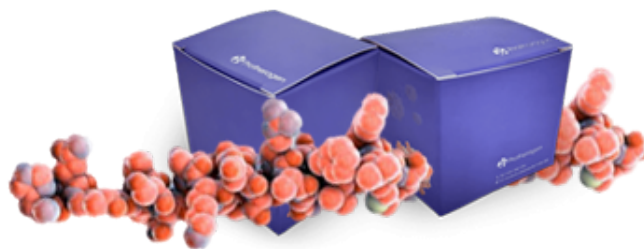
Bovine glucagon-like peptide 2 (GLP-2) ELISA kit (0.25-8 ng/mL)

Cat. No.:	0126WXX-204
Assay Type:	Quantitative sandwich ELISA
Target Species:	Bovine
Assay Target:	GLP-2
Size:	48T; 96T

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

Product Overview

Description	Bovine glucagon-like peptide 2 (GLP-2) ELISA kit (0.25-8 ng/mL) is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of GLP-2 in bovine samples with a range of 0.25-8 ng/mL and a minimum detectable dose (sensitivity) of 0.1 ng/mL. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on GLP-2 antibody-GLP-2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GLP-2 antigen targets in samples.
Background	GLP-2, as an incretin, primarily functions to promote intestinal growth and nutrient absorption. Recent studies have revealed that GLP-2's association with obesity primarily manifests through its regulatory effects on intestinal barrier function and the gut microbiome. By improving gut health, GLP-2 may indirectly influence metabolism. Furthermore, ongoing research is exploring the potential applications of GLP-2 and its analogues in regulating fat metabolism and energy expenditure, offering new avenues for obesity treatment.
Synonyms	Glp2; GLP2
Formula Weight	20,909 Da
Applications	Bovine glucagon-like peptide 2 (GLP-2) ELISA kit (0.25-8 ng/mL) is used to quantify GLP-2 in undiluted original bovine serum, plasma, and tissue homogenates samples of bovine, providing 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	Undiluted original bovine serum; Plasma; Tissue homogenates samples
Detection Range	0.25-8 ng/mL
Sensitivity	0.1 ng/mL
Precision (Intra-assay)	CV<15%
Precision (Inter-assay)	CV<15%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.