



Porcine insulin like protein 5 (INSL5) ELISA kit-Quantitative sandwich

Cat. No.:	0126WXX-668
Assay Type:	Quantitative sandwich ELISA
Target Species:	Porcine
Assay Target:	INSL5
Size:	48T; 96T

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

Product Overview

Description	Porcine insulin like protein 5 (INSL5) ELISA kit-Quantitative sandwich is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of INSL5 in porcine samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on INSL5 antibody-INSL5 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect INSL5 antigen targets in samples.
Background	INSL5 is a member of the insulin family. As its name suggests, it shares structural similarities with insulin, yet its function and origin differ significantly. Unlike insulin, which is primarily secreted by the pancreas to regulate blood glucose, INSL5 is mainly secreted by cells in the colon and rectum, as well as specific neurons in the brain. It is a crucial hormone that plays a key role in gut-brain axis signaling by acting on the specific G protein-coupled receptor RXFP 4. INSL5 participates in the complex regulation of energy balance and has been linked to obesity.
Synonyms	Insulin-like peptide 5; Insulin-like protein 5
Formula Weight	11,981 Da
Applications	Porcine insulin like protein 5 (INSL5) ELISA kit-Quantitative sandwich is used to quantify INSL5 in porcine samples, providing data to support research in a wide range of areas, including signal transduction, endocrinology, obesity, etc.
Research Area	Signal transduction; Endocrinology; Obesity

Specification

**Sample Type**

Porcine samples

Cross-reactivity

No significant cross-reactivity or interference was observed.

Storage

Store at 2-8°C.