



## Goose pancreatic lipase (PL) ELISA kit-Quantitative sandwich

<b>Cat. No.:</b>	0126WXX-1323
<b>Assay Type:</b>	Quantitative sandwich ELISA
<b>Target Species:</b>	Goose
<b>Assay Target:</b>	PL
<b>Size:</b>	1 kit

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

### Product Overview

<b>Description</b>	Goose pancreatic lipase (PL) ELISA kit-Quantitative sandwich is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of PL in goose samples. The kit is highly sensitive and easy to use.
<b>Assay Principle</b>	The ELISA analytical biochemical technique is based on PL antibody-PL antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PL antigen targets in samples.
<b>Background</b>	PL, a key member of the lipase gene family located at chromosomal position 10q26 .1, is a specialized carboxyl esterase (EC 3.1.1.3) specifically expressed in the pancreas and secreted into the extracellular region. This hydrolase is essential for the efficient digestion of dietary fats, specifically driving the hydrolysis of insoluble, emulsified triglycerides into absorbable components. Beyond its primary role in lipid catabolism and cholesterol absorption, PNLIP is involved in retinoid metabolic processes and is the central molecular driver in Pancreatic Lipase Deficiency, making it a fundamental target for understanding gastrointestinal lipid digestion and its systemic impact on energy balance.
<b>Synonyms</b>	PNLIP; PTL; Lipase; pancreatic; Pancreatic triacylglycerol lipase
<b>Formula Weight</b>	51,157 Da



**Applications**

Goose pancreatic lipase (PL) ELISA kit-Quantitative sandwich is used to quantify PL in goose samples, providing data to support research in a wide range of areas, including enzyme and kinase, metabolic pathway, Infection immunity, hepatology, obesity, and others.

**Research Area**

Enzyme & Kinase; Metabolic pathway; Infection immunity; Hepatology; Obesity

**Specification**

**Sample Type**

Goose samples

**Cross-reactivity**

No significant cross-reactivity or interference was observed.

**Storage**

Store at 2-8°C.