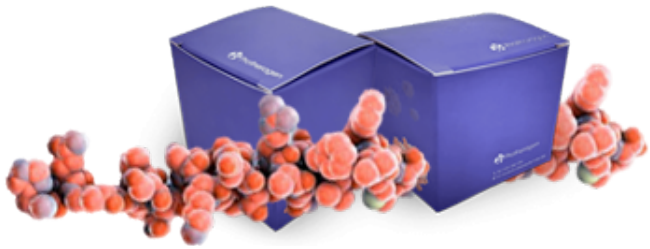
Protheragen Obesity



Bovine *N*-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D (NAPEPLD) ELISA kit

Cat. No.:	0126WXX-1058
Assay Type:	Quantitative ELISA
Target Species:	Bovine
Assay Target:	NAPEPLD
Size:	48T; 96T

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

Product Overview

Description	Bovine *N*-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D (NAPEP LD) ELISA kit is an ELISA-based *in vitro* research tool designed specifica lly for the quantitative detection of NAPEPLD in porcine samples. The kit is hig hly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on NAPEPLD antibody-NAPEPLD antigen interactions (immunosorbency) and an HRP colorimetric detection system t o detect NAPEPLD antigen targets in samples.
Background	NAPEPLD is a phospholipase D and a key rate-limiting enzyme in the endogenous ca nnabinoid synthesis pathway. The endocannabinoid system (ECS) is a central and p eripheral regulatory system governing appetite, lipid synthesis, and energy bala nce. Endocannabinoids produced by NAPEPLD activate CB1 receptors, typically lead ing to increased appetite and enhanced lipogenesis. Thus, NAPEPLD is a key enzym e in lipid metabolism pathways influencing the obesity process.
Synonyms	NAPE-PLD; *N*-acyl phosphatidylethanolamine phospholipase D; NAPE-PLD; NAPE - hydrolyzing phospholipase D
EC NO.	3.1.4.54
Formula Weight	45,341 Da
Applications	Bovine *N*-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D (NAPEP LD) ELISA kit is used to quantify NAPEPLD in bovine samples, providing data to s upport research in a wide range of areas, including appetite regulation, obesity , *etc*.

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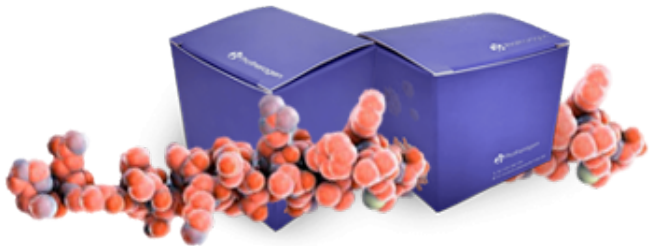

Research Area	Appetite regulation; Obesity

Specification

Sample Type	Bovine samples
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.

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