



Sheep Niemann-Pick C1 protein ELISA kit

Cat. No.:	0126WXX-1123
Assay Type:	Quantitative ELISA
Target Species:	Sheep
Assay Target:	Niemann-Pick C1 protein
Size:	48T; 96T

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

Product Overview

Description	Sheep Niemann-Pick C1 protein ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of Niemann-Pick C1 protein in sheep samples. The kit is highly sensitive and easy to use.
Assay Principle	The ELISA analytical biochemical technique is based on Niemann-Pick C1 protein antibody-Niemann-Pick C1 protein antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Niemann-Pick C1 protein antigen targets in samples.
Background	NPC1 is a transmembrane protein localized to the late endosomal/lysosomal membrane, whose core physiological function involves cholesterol and lipid transport and homeostasis regulation within cells. Defects in NPC1 function lead to Niemann-Pick disease type C (NPC), a rare hereditary neurodegenerative disorder characterized by abnormal accumulation of cholesterol and specific lipids within lysosomes. Research has also revealed a potential link to obesity.
Synonyms	Niemann-Pick disease, type C1; NPC1
Formula Weight	142,167 Da
Applications	Sheep Niemann-Pick C1 protein ELISA kit is used to quantify Niemann-Pick C1 protein in serum, plasma, cell culture supernatants, body fluid, tissue homogenate of sheep, providing data to support research in a wide range of areas, including neurobiology, obesity, etc.
Research Area	Neurobiology; Obesity

Specification



Sample Type	Serum; Plasma; Cell culture supernatants; Body fluid; Tissue homogenate
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.