



## Cat perilipin 3 (PLIN3) ELISA kit

|                        |                    |
|------------------------|--------------------|
| <b>Cat. No.:</b>       | 0126WXX-1377       |
| <b>Assay Type:</b>     | Quantitative ELISA |
| <b>Target Species:</b> | Cat                |
| <b>Assay Target:</b>   | PLIN3              |
| <b>Size:</b>           | 1 kit              |

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

### Product Overview

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>     | Cat perilipin 3 (PLIN3) ELISA kit is an ELISA-based <i>in vitro</i> research tool designed specifically for the quantitative detection of PLIN3 in cat samples. The kit is highly sensitive and easy to use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Assay Principle</b> | The ELISA analytical biochemical technique is based on PLIN3 antibody-PLIN3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PLIN3 antigen targets in samples.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Background</b>      | Perilipin 3 (PLIN3) is a member of the perilipin family of lipid droplet-associated proteins and is widely expressed in multiple tissues, where it regulates intracellular lipid storage and trafficking. PLIN3 coats lipid droplets and facilitates lipid droplet formation and turnover, playing an important role in cellular lipid metabolism and energy balance. By coordinating lipid storage and mobilization, PLIN3 contributes to the maintenance of metabolic homeostasis. Altered PLIN3 expression or function has been linked to dysregulated lipid accumulation and impaired lipid handling, processes that are closely associated with obesity and obesity-related metabolic disorders. |
| <b>Synonyms</b>        | M6PRBP1; TIP47; PP17; Mannose-6-phosphate receptor binding protein 1; Placental protein 17; 47 kDa mannose 6-phosphate receptor-binding protein; Cargo selection TIP47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Formula Weight</b>  | 55,990 Da                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Applications**

Cat perilipin 3 (PLIN3) ELISA kit is used to quantify PLIN3 in cat samples, providing data to support research in a wide range of areas, including metabolic pathways, obesity, and others.

**Research Area**

Metabolic pathway; Obesity

## Specification

**Sample Type**

Cat samples

**Cross-reactivity**

No significant cross-reactivity or interference was observed.

**Storage**

Store at 2-8°C.