



## Sheep adiponectin (ADP) ELISA kit

<b>Cat. No.:</b>	OB0525WXX-228
<b>Assay Type:</b>	Quantitative competitive ELISA
<b>Target Species:</b>	Sheep
<b>Assay Target:</b>	ADP
<b>Size:</b>	24T; 48T; 96T

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

### Product Overview

<b>Description</b>	Sheep adiponectin (ADP) ELISA kit is a ready-to-use ELISA kit for analyzing sheep ADP levels with a detection range of 6.25-100 pg/mL and a sensitivity of 6.25 pg/mL.
<b>Assay Principle</b>	This kit is based on ADP antibody-ADP antigen interaction (immunosorbent) and the HRP colorimetric detection system to detect ADP antigen targets in samples.
<b>Background</b>	ADP is an important adipokine involved in the regulation of fat metabolism and insulin sensitivity, exhibiting antidiabetic, anti-atherosclerotic, and anti-inflammatory properties. It increases glucose utilization and fatty acid burning, stimulates AMPK phosphorylation and activation in liver and skeletal muscle, and may play a role in cell growth, angiogenesis, and tissue remodeling.
<b>Synonyms</b>	ADIPOQ; ACDC; APM1; Adipocyte C1q and collagen domain-containing protein; ACRP30; Adipose most abundant gene transcript 1 protein; apM-1; Gelatin-binding protein; Adiponectin
<b>Formula Weight</b>	26,133 Da
<b>Applications</b>	Sheep adiponectin (ADP) ELISA kit is designed for the <i>in vitro</i> quantitative analysis of ADP levels in sheep serum, plasma, and tissue homogenate samples.
<b>Research Area</b>	Hormone research; Lipid metabolism; Cell differentiation; Obesity

### Specification

<b>Sample Type</b>	Serum; Plasma; Tissue homogenates
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<b>Detection Range</b>	6.25-100 pg/mL
<b>Sensitivity</b>	6.25 pg/mL
<b>Precision (Intra-assay)</b>	CV<15%
<b>Precision (Inter-assay)</b>	CV<15%
<b>Cross-reactivity</b>	No significant cross-reactivity or interference was observed.
<b>Storage</b>	Store at 2-8°C.