



## Human adiponectin (ADP) ELISA kit (1.25-40 µg/mL)

<b>Cat. No.:</b>	OB0525WXX-300
<b>Assay Type:</b>	Quantitative sandwich ELISA
<b>Target Species:</b>	Human
<b>Assay Target:</b>	ADP
<b>Size:</b>	48T; 96T

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

### Product Overview

<b>Description</b>	Human adiponectin (ADP) ELISA kit (1.25-40 µg/mL) is a ready-to-use ELISA kit for analyzing human ADP levels with a detection range of 1.25-40 µg/mL and a sensitivity of 0.1 µg/mL.
<b>Assay Principle</b>	The kit is based on ADP antibody-ADP antigen interactions (immunosorbency) 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>	26,414 Da
<b>Applications</b>	Human adiponectin (ADP) ELISA kit (1.25-40 µg/mL) is designed for the <i>in vitro</i> quantitative analysis of ADP levels in human body fluids, tissue homogenates, secretions, and feces samples.
<b>Research Area</b>	Hormone research; Lipid metabolism; Cell differentiation; Obesity

### Specification



<b>Sample Type</b>	Human body fluids; Tissue homogenates; Secretions; Feces samples
<b>Detection Range</b>	1.25-40 µg/mL
<b>Sensitivity</b>	0.1 µg/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.