



Human adiponectin (ADP) ELISA kit (0.156-10 ng/mL, 0.069 ng/mL)

Cat. No.:	OB0525WXX-245
Assay Type:	Quantitative sandwich ELISA
Target Species:	Human
Assay Target:	ADP
Size:	96T

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

Product Overview

Description	Human adiponectin (ADP) ELISA kit (0.156-10 ng/mL, 0.069 ng/mL) is a ready-to-use ELISA kit for analyzing human ADP levels with a detection range of 0.156-10 ng/mL and a sensitivity of 0.069 ng/mL.
Assay Principle	The kit is based on ADP antibody-ADP antigen interactions (immunosorbency) and the HRP colorimetric detection system to detect ADP antigen targets in samples.
Background	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.
Synonyms	ADIPOQ; ACDC; APM1; Adipocyte C1q and collagen domain-containing protein; ACRP30; Adipose most abundant gene transcript 1 protein; apM-1; Gelatin-binding protein; Adiponectin
Formula Weight	26,414 Da
Applications	Human adiponectin (ADP) ELISA kit (0.156-10 ng/mL, 0.069 ng/mL) is designed for the <i>in vitro</i> quantitative analysis of ADP levels in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates, and other biological fluid samples.
Research Area	Hormone research; Lipid metabolism; Cell differentiation; Obesity

Specification



Sample Type	Serum; Plasma; Tissue homogenates; Cell lysates; Cell culture supernates; Other biological fluids
Detection Range	0.156-10 ng/mL
Sensitivity	0.069 ng/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Stability	12 Months
Storage	Store at -20°C (antibodies, standard, streptavidin-HRP), 4°C (TMB) and room temperature (96-well plate).