

Datasheet for ABIN2745487

RBP4 ELISA Kit

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Overview

Quantity:	96 tests
Target:	RBP4
Reactivity:	Human
Method Type:	Competition ELISA
Detection Range:	0.001-5 µg/mL
Minimum Detection Limit:	0.001 µg/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Plasma, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Detects human RBP4.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Does not cross-react with human adiponectin, human resistin or human RELM-beta.
Sensitivity:	1 ng/mL
Characteristics:	RBP4 (human) Competitive ELISA Kit

Target Details

Target:	RBP4
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Target Details

Alternative Name:	RBP4 (RBP4 Products)
Background:	Retinol binding protein 4 (RBP4, RBP) is a 21 kDa secreted protein, a member of the lipocalin family and is known as the primary transporter of retinol (vitamin A) to tissues. A recent report revealed RBP4 as an adipokine linking glucose transporter 4 (GLUT4) suppression in adipose tissue to insulin. Elevated human and mouse serum RBP4 levels are associated with insulin resistance and its severity, obesity and certain components of metabolic syndrome. Furthermore, human serum RBP4 levels are closely related to renal function and recent studies have shown an association between serum RBP4 levels and urinary albumin excretion. The urinary RBP4 concentration may be a valuable marker for both, insulin resistance and microalbuminuria in insulin-resistant subjects.
UniProt:	P02753
Pathways:	Regulatory RNA Pathways , Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis , Production of Molecular Mediator of Immune Response

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: +4°C 12 months after the day of manufacturing. See expiry date on ELISA Kit box.