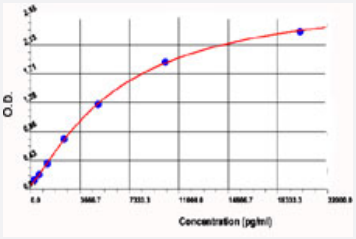
RBP4 (Human) ELISA Kit

Catalog # KA0989 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	RBP4 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human RBP4.
Suitable Sample	Body Fluid, Cell Culture Supernatant, Plasma, Serum, Tissue Lysate
Sample Volume	0.1 mL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	312 to 20000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — RBP4

Entrez GeneID	5950
Gene Name	RBP4
Gene Alias	-
Gene Description	retinol binding protein 4, plasma
Omim ID	180250
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells. [provided by RefSeq
Other Designations	OTTHUMP00000020114|OTTHUMP00000020116|retinol-binding protein 4, interstitial|retinol-binding protein 4, plasma

Publication Reference

- Regional mapping of RBP4 to 10q23----q24 and RBP1 to 3q21----q22 in man.

  Rocchi M, Covone A, Romeo G, Faraonio R, Colantuoni V.

  Somatic Cell and Molecular Genetics 1989 Mar; 15(2):185.

- The complete amino acid sequence of human serum retinol-binding protein.

  Rask L, Anundi H, Fohlman J, Peterson PA.

  Upsala journal of Medical Sciences 1987 Jan; 92(2):115.

Disease

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- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Glucose Intolerance
- Hyperlipidemias
- Hypertension
- Hypertriglyceridemia
- Insulin Resistance
- Metabolic Syndrome X
- Neoplasms
- Obesity
- Osteoporosis
- Prediabetic State

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