

Rat Retinol Binding Protein 4, Plasma (RBP4) ELISA Kit | RBP4 elisa kit

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CATALOG #
AAA138868

REACTIVITY
Rat

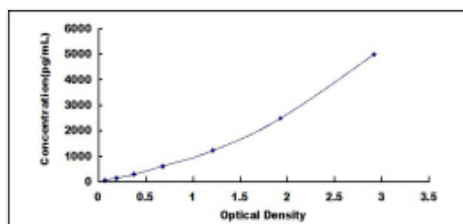
PRODUCT SYNONYMS

Retinol Binding Protein 4; Plasma (RBP4); Rat Retinol Binding Protein 4; Plasma (RBP4) ELISA Kit; PRBP; RBP; Plasma retinol-binding protein; RBP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Retinol Binding Protein 4, Plasma (RBP4). No significant cross-reactivity or interference between Retinol Binding Protein 4, Plasma (RBP4) and analogues was observed.
Sequence Length	201
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.151ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Retinol Binding Protein 4, Plasma (RBP4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Retinol Binding Protein 4, Plasma (RBP4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RBP4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Retinol Binding Protein 4, Plasma (RBP4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Retinol Binding Protein 4, Plasma (RBP4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Retinol Binding Protein 4, Plasma (RBP4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Retinol Binding Protein 4, Plasma (RBP4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RBP4 elisa kit	Metabolic pathway; Endocrinology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	18088326
NCBI GeneID	5950
UniProt Accession #	P02753; O43478; O43479; Q5VY24; Q8WWA3; Q9P178; D3DR38
Molecular Weight	23,010 Da
NCBI Official Full Name	Retinol binding protein 4, plasma
NCBI Official Synonym Full Names	retinol binding protein 4, plasma
NCBI Official Symbol	RBP4
NCBI Official Synonym Symbols	RDCCAS; MCOPCB10
NCBI Protein Information	retinol-binding protein 4
UniProt Protein Name	Retinol-binding protein 4
UniProt Gene Name	RBP4
UniProt Synonym Gene Names	PRBP; RBP
UniProt Entry Name	RET4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/retinol-binding-protein-4-plasma-rbp4/138868>