

Human Retinol Binding Protein 1, Cellular (RBP1) ELISA Kit | RBP1 elisa kit

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CATALOG #
AAA183348

REACTIVITY
Human

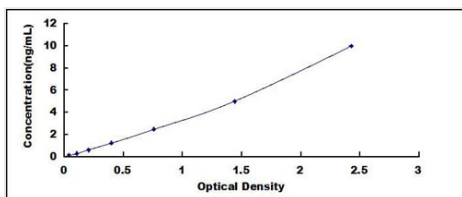
PRODUCT SYNONYMS

Retinol Binding Protein 1; Cellular (RBP1); Human Retinol Binding Protein 1; Cellular (RBP1) ELISA Kit; RBP-1; CRABP-I; CRBP; CRBP1; RBPC; Cellular retinol-binding protein I; RBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Retinol Binding Protein 1, Cellular (RBP1). No significant cross-reactivity or interference between Retinol Binding Protein 1, Cellular (RBP1) and analogues was observed.
Sequence Length	157
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/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 1, Cellular (RBP1) 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 1, Cellular (RBP1) 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 RBP1 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 1, Cellular (RBP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Retinol Binding Protein 1, Cellular (RBP1). 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 1, Cellular (RBP1), 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 1, Cellular (RBP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	195976809
NCBI GeneID	5947
NCBI Accession #	NP_001124464.1
NCBI GenBank Nucleotide #	NM_001130992.1
UniProt Accession #	P09455; Q6FGX8; A8K2Q0; B7Z7A0; E7EWW0; F2Z2F2
Molecular Weight	17,523 Da
NCBI Official Full Name	retinol-binding protein 1 isoform b
NCBI Official Synonym Full Names	retinol binding protein 1
NCBI Official Symbol	RBP1
NCBI Official Synonym Symbols	CRBP; RBPC; CRBP1; CRBPI; CRABP-I
NCBI Protein Information	retinol-binding protein 1
UniProt Protein Name	Retinol-binding protein 1
UniProt Gene Name	RBP1
UniProt Synonym Gene Names	CRBP1; CRBP; CRBP-I

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://stage.aaabiotech.com/human-elisa-kits/retinol-binding-protein-1-cellular-rbp1/183348>