

Human Retinol Binding Protein 5, Cellular ELISA Kit | RBP5 elisa kit

Human Retinol Binding Protein 5, Cellular (RBP5) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190013

REACTIVITY
Human

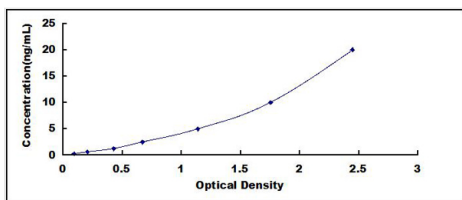
PRODUCT SYNONYMS

Retinol Binding Protein 5; Cellular; Human Retinol Binding Protein 5; Cellular (RBP5) (Sandwich ELISA) ELISA Kit; CRBPIII; HRBPiso; Cellular retinol-binding protein III; ELISA Kit for Retinol Binding Protein 5; Cellular (RBP5); RBP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Retinol Binding Protein 5, Cellular (RBP5). No significant cross-reactivity or interference between Retinol Binding Protein 5, Cellular (RBP5) and analogues was observed. Reactive with Human RBP5 / Retinol Binding Protein 5, Cellular
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for RBP5 ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for RBP5 elisa kit

Principle of the Assay||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 5, Cellular (RBP5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Retinol Binding Protein 5, Cellular (RBP5). 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 5, Cellular (RBP5), 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 $\pm$ 10nm. The concentration of Retinol Binding Protein 5, Cellular (RBP5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13899352
NCBI GeneID	83758
NCBI Accession #	NP_113679.1
NCBI GenBank Nucleotide #	NM_031491.2
UniProt Accession #	P82980; Q53FB1
Molecular Weight	15,931 Da
NCBI Official Full Name	retinol-binding protein 5
NCBI Official Synonym Full Names	retinol binding protein 5, cellular
NCBI Official Symbol	RBP5
NCBI Official Synonym Symbols	CRBP3; CRBPIII; CRBP-III
NCBI Protein Information	retinol-binding protein 5; HRBPiso; retinol-binding protein 5, cellular; cellular retinol-binding protein III; putative cellular retinol-binding protein CRBP III
UniProt Protein Name	Retinol-binding protein 5
UniProt Gene Name	RBP5
UniProt Synonym Gene Names	CRBP-III
UniProt Entry Name	RET5_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://stage.aaabiotech.com/rbp5-human-elisa-kits/retinol-binding-protein-5-cellular/190013>