

Rat Retinol Binding Protein ELISA Kit | RBP elisa kit

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CATALOG #
AAA85291

REACTIVITY
Rat

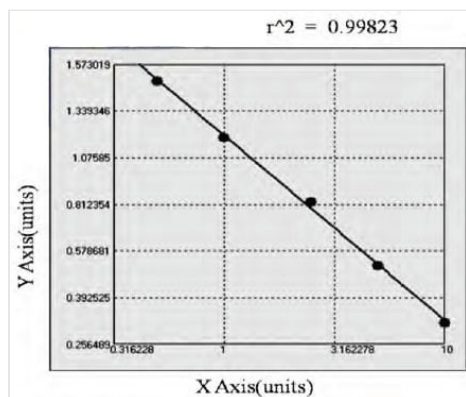
PRODUCT SYNONYMS

Retinol Binding Protein; Rat Retinol Binding Protein ELISA Kit; RBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This RBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat RBP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RBP elisa kit

Principle of the Assay: RBP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-RBP antibody and an RBP-HRP conjugate. The assay sample and buffer are incubated together with RBP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RBP concentration since RBP from samples and RBP-HRP conjugate compete for the anti-RBP antibody binding site. Since the number of sites is limited, as more sites are occupied by RBP from the sample, fewer sites are left to bind RBP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RBP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307075
NCBI GeneID	5949
Molecular Weight	135,363 Da
NCBI Official Full Name	retinol-binding protein
NCBI Official Synonym Full Names	retinol binding protein 3, interstitial
NCBI Official Symbol	RBP3
NCBI Official Synonym Symbols	IRBP; RBPI; RP66; D10S64; D10S65; D10S66
NCBI Protein Information	retinol-binding protein 3; interphotoreceptor retinoid-binding protein
UniProt Protein Name	Retinol-binding protein 3
UniProt Gene Name	RBP3
UniProt Synonym Gene Names	IRBP
UniProt Entry Name	RET3_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/rbp-rat-elisa-kits/retinol-binding-protein/85291>