

Chicken Retinol Binding Protein 4 ELISA Kit | RBP4 elisa kit

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CATALOG #
AAA90792

REACTIVITY
Chicken

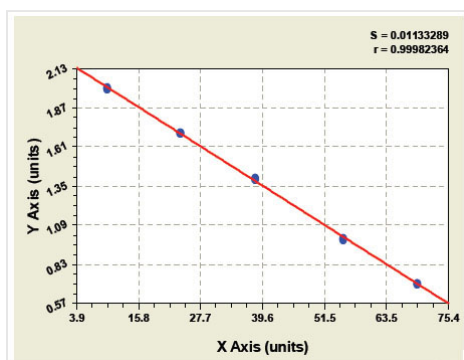
PRODUCT SYNONYMS

Retinol Binding Protein 4; Chicken Retinol Binding Protein 4 ELISA Kit; RBP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This RBP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken RBP4. 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 RBP4 elisa kit

Principle of the Assay: RBP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-RBP4 antibody and an RBP4-HRP conjugate. The assay sample and buffer are incubated together with RBP4-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 RBP4 concentration since RBP4 from samples and RBP4-HRP conjugate compete for the anti-RBP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by RBP4 from the sample, fewer sites are left to bind RBP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RBP4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for RBP4 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	158187535
NCBI GeneID	25703
NCBI Accession #	NP_037294.1
NCBI GenBank Nucleotide #	NM_013162.1
UniProt Accession #	P04916
Molecular Weight	23,220 Da
NCBI Official Full Name	retinol-binding protein 4
NCBI Official Synonym Full Names	retinol binding protein 4, plasma
NCBI Official Symbol	Rbp4
NCBI Official Synonym Symbols	RBPA
NCBI Protein Information	retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein
UniProt Protein Name	Retinol-binding protein 4
UniProt Gene Name	Rbp4
UniProt Synonym Gene Names	PRBP; RBP
UniProt Entry Name	RET4_RAT

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/rbp4-chicken-elisa-kits/retinol-binding-protein-4/90792>