

Canine Retinol Binding Protein 4 ELISA Kit | RBP4 elisa kit

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CATALOG #
AAA16901

REACTIVITY
Canine

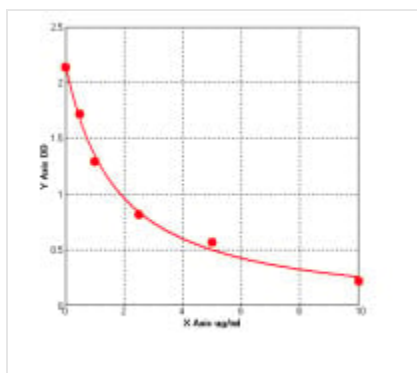
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of RBP4. No significant cross-reactivity or interference between RBP4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RBP4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ug/mL
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 polyclonal 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. Intended Uses: This RBP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine RBP4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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
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://stage.aaabiotech.com/rbp4-canine-elisa-kits/retinol-binding-protein-4/16901>