

## Dog Retinol binding protein 4 (RBP-4) ELISA Kit | RBP-4 elisa kit

Canine Retinol binding protein 4, RBP-4 ELISA Kit

CATALOG #  
**AAA80187**

REACTIVITY  
**Dog**

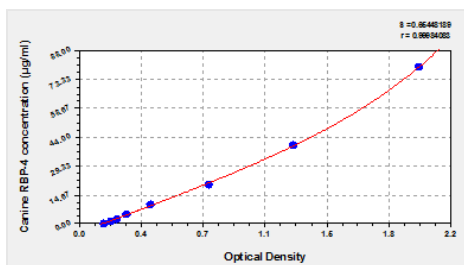
### PRODUCT SYNONYMS

Retinol binding protein 4 (RBP-4); Canine Retinol binding protein 4; RBP-4 ELISA Kit; Canine Retinol binding protein 4 (RBP-4) ELISA Kit; RBP-4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Dog                                                                                                                               |
| Sequence Length         | 201                                                                                                                               |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                 |
| Detection Range         | 1.25 ug/ml-80 ug/ml                                                                                                               |
| Sensitivity             | 0.31 ug/ml                                                                                                                        |
| Detection Wavelength    | 450 nm                                                                                                                            |
| Sample Volume           | 50-100ul                                                                                                                          |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for RBP-4 elisa kit

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to RBP-4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for RBP-4 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain RBP-4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of RBP-4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

### NCBI AND UNIPROT INFORMATION

NCBI GI #

55743122

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 5950                                                                                                          |
| NCBI Accession #                 | NP_006735.2                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_006744.3                                                                                                   |
| UniProt Accession #              | P02753; O43478; O43479; Q5VY24; Q8WWA3; Q9P178; D3DR38                                                        |
| Molecular Weight                 | 23,010 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    | RDCCAS                                                                                                        |
| NCBI Protein Information         | retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol-binding protein 4, interstitial |
| UniProt Protein Name             | Retinol-binding protein 4                                                                                     |
| UniProt Gene Name                | <b>RBP4</b>                                                                                                   |
| UniProt Synonym Gene Names       | PRO2222; PRBP; RBP                                                                                            |
| UniProt Entry Name               | RET4_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/dog-elisa-kits/retinol-binding-protein-4-rbp-4/80187>