

## Human Retinol-Binding Protein 4, RBP4 ELISA Kit | RBP4 elisa kit

Human Retinol-Binding Protein 4, RBP4 Primacu ELISA Kit

CATALOG #  
**AAA124294**

REACTIVITY  
**Human**

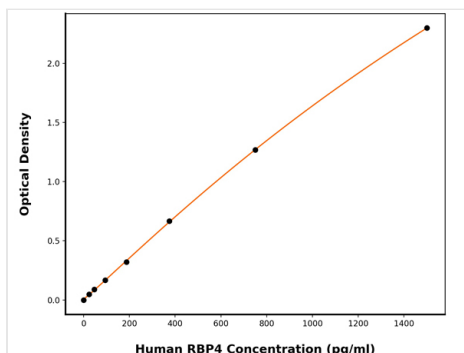
### PRODUCT SYNONYMS

Retinol-Binding Protein 4; RBP4; Human Retinol-Binding Protein 4; RBP4 Primacu ELISA Kit; Retinol-binding protein 4; RBP4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                        |
|-------------------------|----------------------------------------|
| Reactivity              | Human                                  |
| Assay Type              | Sandwich                               |
| Samples                 | Serum, plasma, cell culture supernates |
| Detection Range         | 23.44-1500pg/mL                        |
| Sensitivity             | 4.31pg/mL                              |
| Standard Solution       | 15ng/mL                                |
| Assay Time              | 3.5h                                   |
| Preparation and Storage | Store at 2-8 degree C                  |

### IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

### ADDITIONAL INFORMATION

#### Related Product Information for RBP4 elisa kit

Retinol-binding protein 4 (RBP4) is the specific carrier for retinol (also known as vitamin A), and is responsible for the conversion of unstable and insoluble retinol in aqueous solution into stable and soluble complex in plasma through their tight interaction. As a member of the lipocalin superfamily, RBP4 containing a beta-barrel structure with a well-defined cavity is secreted from the liver, and in turn delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP4-retinol complex interacts with transthyretin (TTR), and this binding is crucial for preventing RBP4 excretion through the kidney glomeruli. RBP4 expressed from an ectopic source efficiently delivers retinol to the eyes, and its deficiency affects night vision largely. Recently, RBP4 as an adipokine, is found to be expressed in adipose tissue and correlated with obesity, insulin resistance (IR) and type 2 diabetes (T2DM).

#### Product Categories/Family for RBP4 elisa kit

Primacu ELISA Kit; Cardiovascular; Metabolism; Signal transduction; Developmental biology

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       | 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/human-elisa-kits/retinol-binding-protein-4-rbp4/124294>