

## Anti-RBP4 Antibody

**CATALOG NO:** A1400-500

**AMOUNT:** 500 µg

**ALTRERNAME NAMES:** Retinol-binding protein 4, PRBP, RBP

**IMMUNOGEN:** Human Retinol Binding Protein 4

**CLONALITY:** Monoclonal

**HOST/ISOTYPE:** Mouse IgG1

**PURIFICATION:** Protein G purification

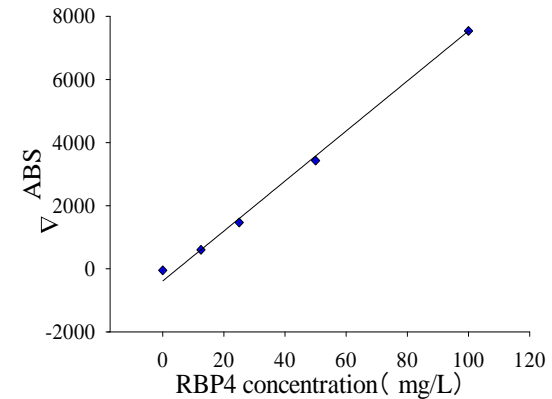
**FORM:** Liquid

**FORMULATION:** In NaCl with 15 mM NaN<sub>3</sub> (pH 7.2)

**STORAGE CONDITIONS:** For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

**DESCRIPTION:** Retinol-binding protein 4 has recently been described as an adipokine that contributes to insulin resistance in the AG4KO mouse model. It is secreted by adipocytes, and can act as a signal to other cells, when there is a decrease in plasma glucose concentration. Mutations in the RBP4 gene have recently been linked to a form of autosomal dominant microphthalmia, anophthalmia, and coloboma (MAC) disease.

**APPLICATION:** Chemiluminescence assay (CLIA)  
ELISA



**Calibration curve for RBP4 in latex-enhanced turbidimetric immunoassay (LETIA):** RBP4 proteins specifically react with anti-RBP4 monoclonal antibodies precoated onto latex beads to form insoluble complexes that results in increase in turbidity. Increase in absorbance was detected by automatic biochemical analyzer. The calibration curve was fitted according to the relationship between absorbance values and RBP4 concentrations.

|                                 | Capture | Detection |
|---------------------------------|---------|-----------|
| Monoclonal Antibody combination | A1399   | A1400     |

### RELATED PRODUCTS:

- Anti-RBP4 Antibody (Cat. No. A1399)
- RBP4, mouse recombinant (Cat. No. 7565)
- Human CellExp™ RBP4, rat recombinant (Cat. No. 7566)
- Human CellExp™ RBP4, human recombinant (Cat. No. 7563)
- Human CellExp™ RBP4, mouse recombinant (Cat. No. 7564)
- RBP4, human recombinant (Cat. No. 4940)

**FOR RESEARCH USE ONLY! Not to be used on humans.**