**Product datasheet**

**Human Retinol binding protein ELISA Kit (RBP) ab108899**

2 Images

### Overview

**Product name**

Human Retinol binding protein ELISA Kit (RBP)

**Detection method**

Colorimetric

**Precision**

<table>
<thead>
<tr>
<th>Sample</th>
<th>n</th>
<th>Mean</th>
<th>SD</th>
<th>CV%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td></td>
<td></td>
<td></td>
<td>4.6%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample</th>
<th>n</th>
<th>Mean</th>
<th>SD</th>
<th>CV%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td></td>
<td></td>
<td></td>
<td>7.2%</td>
</tr>
</tbody>
</table>

**Sample type**

Cell culture supernatant, Saliva, Milk, Urine

**Assay type**

Sandwich (quantitative)

**Sensitivity**

0.008 µg/ml

**Range**

0.008 µg/ml - 0.5 µg/ml

**Recovery**

98%

**Assay time**

4h 00m

**Assay duration**

Multiple steps standard assay

**Species reactivity**

Reacts with: Human

**Product overview**

Abcam’s Retinol binding protein (RBP) Human in vitro ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the quantitative measurement of Retinol binding protein concentrations in Human milk, urine, CSF, saliva and cell culture supernatants.

A Retinol binding protein specific antibody has been precoated onto 96-well plates and blocked. Standards or test samples are added to the wells and subsequently a Retinol binding protein specific biotinylated detection antibody is added and then followed by washing with wash buffer. Streptavidin-Peroxidase Conjugate is added and unbound conjugates are washed away with wash buffer. TMB is then used to visualize Streptavidin-Peroxidase enzymatic reaction. TMB is catalyzed by Streptavidin-Peroxidase to produce a blue color product that changes into yellow...
after adding acidic stop solution. The density of yellow coloration is directly proportional to the amount of Retinol binding protein captured in plate.

The entire kit may be stored at -20°C for long term storage before reconstitution - Avoid repeated freeze-thaw cycles.

**Platform**

Microplate

**Properties**

**Storage instructions**

Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>1 x 96 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>100X Streptavidin-Peroxidase Conjugate</td>
<td>1 x 80µl</td>
</tr>
<tr>
<td>10X Diluent N Concentrate</td>
<td>1 x 30ml</td>
</tr>
<tr>
<td>20X Wash Buffer Concentrate</td>
<td>2 x 30ml</td>
</tr>
<tr>
<td>40X Biotinylated Human RBP Antibody</td>
<td>1 x 150µl</td>
</tr>
<tr>
<td>Chromogen Substrate</td>
<td>1 x 8ml</td>
</tr>
<tr>
<td>Retinol binding protein Microplate (12 x 8 well strips)</td>
<td>1 unit</td>
</tr>
<tr>
<td>Retinol binding protein Standard</td>
<td>1 vial</td>
</tr>
<tr>
<td>Sealing Tapes</td>
<td>3 units</td>
</tr>
<tr>
<td>Stop Solution</td>
<td>1 x 12ml</td>
</tr>
</tbody>
</table>

**Images**

RBP measured in various samples showing quantity (pg) per mL of tested sample

Sandwich ELISA - ab108899 Retinol binding protein (RBP) Human ELISA Kit
Representative Standard Curve using ab108899.

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