Rabbit C Reactive Protein (PTX1) ELISA Kit ab157726

Overview

Product name: Rabbit C Reactive Protein (PTX1) ELISA Kit
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>&lt; 10%</td>
</tr>
</tbody>
</table>

Intra-assay

<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>&lt; 10%</td>
</tr>
</tbody>
</table>

Inter-assay

Sample type: Serum, Plasma, Other biological fluids
Assay type: Sandwich (quantitative)
Sensitivity: 2.083 ng/ml
Range: 6.25 ng/ml - 200 ng/ml

Recovery

<table>
<thead>
<tr>
<th>Sample type</th>
<th>Average %</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serum</td>
<td>&gt; 85</td>
<td>% - %</td>
</tr>
</tbody>
</table>

Sample specific recovery

Assay duration: Multiple steps standard assay
Species reactivity: Reacts with: Rabbit

Product overview

Abcam’s C Reactive Protein (PTX1) Rabbit ELISA Kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring C Reactive Protein levels in rabbit serum and plasma.

In this assay the C Reactive Protein present in samples reacts with the anti-C Reactive Protein antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-C Reactive Protein antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound C Reactive Protein. Following another washing step, the enzyme bound
to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of C Reactive Protein in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of C Reactive Protein in the test sample. The quantity of C Reactive Protein in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution.

**Tested applications**

**Suitable for:** Sandwich ELISA

**Platform**

Microplate

**Properties**

**Storage instructions**

Store at +4°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>1 × 96 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>100X HRP-conjugated anti-rabbit C Reactive Protein antibody</td>
<td>1 x 150µl</td>
</tr>
<tr>
<td>20X Wash Buffer Concentrate</td>
<td>1 x 50ml</td>
</tr>
<tr>
<td>5X Diluent Concentrate</td>
<td>1 x 50ml</td>
</tr>
<tr>
<td>Chromogen Substrate Solution</td>
<td>1 x 12ml</td>
</tr>
<tr>
<td>Rabbit C Reactive Protein Calibrator (lyophilized)</td>
<td>1 vial</td>
</tr>
<tr>
<td>Rabbit C Reactive Protein ELISA Microplate</td>
<td>1 unit</td>
</tr>
<tr>
<td>Stop Solution</td>
<td>1 x 12ml</td>
</tr>
</tbody>
</table>

**Function**

Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells.

**Tissue specificity**

Found in plasma.

**Sequence similarities**

Belongs to the pentaxin family.
Contains 1 pentaxin domain.

**Cellular localization**

Secreted.

**Applications**

Our [Abpromise guarantee](#) covers the use of ab157726 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandwich ELISA</td>
<td>Use at an assay dependent concentration.</td>
<td></td>
</tr>
</tbody>
</table>
Standard curve

Representative standard curve using ab157726 C Reactive Protein Rabbit ELISA Kit

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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