Chicken Alpha 1 Acid Glycoprotein / AGP ELISA Kit
ab157690

Overview

Product name: Chicken Alpha 1 Acid Glycoprotein / AGP 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: = 1.619 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: Chicken
Product overview: Abcam’s Alpha 1 Acid Glycoprotein / AGP Chicken ELISA kit is an in vitro enzyme-linked immunosorbent assay (ELISA) for the quantitative measurement of Alpha 1 Acid Glycoprotein / AGP in biological samples of chicken.
In this assay the Alpha 1 Acid Glycoprotein / AGP present in samples reacts with the anti-Alpha 1 Acid Glycoprotein / AGP antibodies which have been adsorbed to the surface of polystyrene microtiter wells. After the removal of unbound proteins by washing, anti-Alpha 1 Acid Glycoprotein / AGP antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound Alpha 1 Acid Glycoprotein / AGP. 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 Alpha 1 Acid Glycoprotein / AGP in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of Alpha 1 Acid Glycoprotein / AGP in the test sample. The quantity of Alpha 1 Acid Glycoprotein / AGP in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution.

**Tested applications**

**Platform**

Microplate

**Properties**

**Storage instructions**

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Quantities</th>
</tr>
</thead>
<tbody>
<tr>
<td>100X HRP-conjugated anti-chicken Alpha 1 Acid Glycoprotein / AGP 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>Chicken Alpha 1 Acid Glycoprotein / AGP Calibrator (Lyophilized)</td>
<td>1 vial</td>
</tr>
<tr>
<td>Chicken Alpha 1 Acid Glycoprotein / AGP ELISA Microplate</td>
<td>1 unit</td>
</tr>
<tr>
<td>Chromogen Substrate Solution</td>
<td>1 x 12ml</td>
</tr>
<tr>
<td>Stop Solution</td>
<td>1 x 12ml</td>
</tr>
</tbody>
</table>

**Function**

Appears to function in modulating the activity of the immune system during the acute-phase reaction.

**Tissue specificity**

Expressed by the liver and secreted in plasma.

**Sequence similarities**

Belongs to the calycin superfamily. Lipocalin family.

**Cellular localization**

Secreted.

**Applications**

Our Abpromise guarantee covers the use of ab157690 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></td>
<td>Use at an assay dependent concentration.</td>
</tr>
</tbody>
</table>

### Images

Representative standard curve using ab157690

![Standard Curve](image)

**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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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