**Product name**
Human Serum Amyloid A ELISA Kit (SAA1)

**Detection method**
Colorimetric

**Sample type**
Cell culture supernatant, Serum, Plasma

**Assay type**
Sandwich (quantitative)

**Sensitivity**
< 0.5 ng/ml

**Range**
0.41 ng/ml - 300 ng/ml

**Recovery**
100%

**Sample specific recovery**

<table>
<thead>
<tr>
<th>Sample type</th>
<th>Average %</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell culture supernatant</td>
<td>93.75</td>
<td>86% - 102%</td>
</tr>
<tr>
<td>Serum</td>
<td>114.8</td>
<td>105% - 124%</td>
</tr>
<tr>
<td>Plasma</td>
<td>112.1</td>
<td>83% - 137%</td>
</tr>
</tbody>
</table>

**Assay duration**
Multiple steps standard assay

**Species reactivity**
Reacts with: Human

**Product overview**
Abcam’s Serum Amyloid A (SAA) Human ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of Human Serum Amyloid A in serum, plasma and cell culture supernatants.

This assay employs an antibody specific for Human Serum Amyloid A coated on a 96-well plate. Standards and samples are pipetted into the wells and Serum Amyloid A present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Serum Amyloid A antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Serum Amyloid A bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
Optimization may be required with urine samples. ab100635 cross reacts with SAA2.

**Tested applications**

**Suitable for:** Sandwich ELISA

**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>20X Wash Buffer Concentrate</td>
<td>1 x 25ml</td>
</tr>
<tr>
<td>5X Assay Diluent B</td>
<td>1 x 15ml</td>
</tr>
<tr>
<td>800X HRP-Streptavidin Concentrate</td>
<td>1 x 200µl</td>
</tr>
<tr>
<td>Assay Diluent C</td>
<td>1 x 30ml</td>
</tr>
<tr>
<td>Biotinylated anti-Human Serum Amyloid A (lyophilized)</td>
<td>2 vials</td>
</tr>
<tr>
<td>Recombinant Human Serum Amyloid A Standard (lyophilized)</td>
<td>2 vials</td>
</tr>
<tr>
<td>Serum Amyloid A Microplate (12 x 8 wells)</td>
<td>1 unit</td>
</tr>
<tr>
<td>Stop Solution</td>
<td>1 x 8ml</td>
</tr>
<tr>
<td>TMB One-Step Substrate Reagent</td>
<td>1 x 12ml</td>
</tr>
</tbody>
</table>

**Applications**

Our **Abpromise guarantee** covers the use of **ab100635** 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>
Representative standard curve using ab100635

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