**Product name**
Human SAA 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%

<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>

**Sample specific recovery**

**Assay duration**
Multiple steps standard assay

**Species reactivity**
Reacts with: Human

**Product overview**
Human SAA ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of human SAA 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.
Notes
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 SAA (lyophilized)</td>
<td>2 vials</td>
</tr>
<tr>
<td>Recombinant Human SAA 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.

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

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