Anti-Staphylococcus Enterotoxin A antibody ab15897

Overview

Product name: Anti-Staphylococcus Enterotoxin A antibody
Description: Rabbit polyclonal to Staphylococcus Enterotoxin A
Host species: Rabbit
Specificity: Ab15897 gives absorbance readings (410 nm) of less than 0.100 for 10 ng/ml preparations of staphylococcal enterotoxins B through E, ET, TSST, and alpha hemolysin. Cross reacts with Staphylococcus Enterotoxin E

Tested applications: Suitable for: WB, ELISA

Species reactivity: Reacts with: Staphylococcus aureus

Immunogen: Highly purified (> 95%) Staphylococcus aureus Enterotoxin A

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Preservative: None
Constituents: PBS, pH 7.4
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab15897 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>WB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Application notes: ELISA: Use at a concentration of 10 µg/ml. When a standard well is coated at this concentration
(100µl/well) the following results are obtained:
10 ng/ml SEA, Absorbance (410 nm) = 2.00 after 15 minute incubation.
1.25 ng/ml SEA, Absorbance (410 nm) = 0.78 after 15 minute incubation.

WB: Use at a concentration of 1 µg/ml. Predicted molecular weight: 30 kDa.

Not tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Relevance**
Staphylococcal enterotoxins represent a group of proteins, which are secreted by Staphylococcus aureus and cause the intoxication staphylococcal food poisoning syndrome. The illness characterised by high fever, hypotension, diarrhea, shock, and in some cases death. Their molecular masses range between 27 and 30 kDa. At present, seven enterotoxins are known, namely A, B, C1, C2, C3, D and E. Their amino acid sequences have been determined and it was shown that all are single chain polypeptides containing one disulfide bond formed by two half cystines located in the middle of the polypeptide chain, which form the so called cysteine loop. Enterotoxins are known to be most potent T cell mitogens. T cell activation accompanied by induction of interleukin 2 and interferon is conditioned by high affinity interaction of S.enterotoxins with class II main histocompatibility complex (MHC) molecules and subsequent presentation of the complex formed to a variable region of the T cell receptor.

**Cellular localization**
Secreted

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

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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.

**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors