

## Product datasheet

# Anti-Staphylococcus Enterotoxin B antibody ab53428

### Overview

<b>Product name</b>	Anti-Staphylococcus Enterotoxin B antibody
<b>Description</b>	Rabbit polyclonal to Staphylococcus Enterotoxin B
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody is specific for Staphylococcus enterotoxin B. It does not react with other Staphylococcal toxins.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Staphylococcus aureus
<b>Immunogen</b>	Purified toxin (Staphylococcus aureus)

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: PBS, pH 7.2
<b>Purity</b>	Proprietary Purification
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab53428** in the following tested applications.

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

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

### Target

**Relevance**

Staphylococcal enterotoxins represent a group of proteins, which are secreted by *Staphylococcus aureus* and cause staphylococcal food poisoning syndrome. The illness is 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. SEB is an extremely potent activator of T cells, stimulating the production and secretion of various cytokines which mediate many of the toxic effects of SEB.

**Cellular localization**

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