

Datasheet for ABIN2179481

## anti-Staphylococcus Aureus Enterotoxin Type B antibody (AA 1-100)



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### 1 Publication

#### Overview

Quantity:	100 µL
Target:	Staphylococcus Aureus Enterotoxin Type B
Binding Specificity:	AA 1-100
Reactivity:	Staphylococcus, Bacteria
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC)

#### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from Staphylococcus Enterotoxin B
Isotype:	IgG
Cross-Reactivity:	Bacteria
Cross-Reactivity (Details):	Staphylococcus
Purification:	Purified by Protein A.

#### Target Details

Target:	Staphylococcus Aureus Enterotoxin Type B
Alternative Name:	Staphylococcus Enterotoxin B ( <a href="#">Staphylococcus Aureus Enterotoxin B Products</a> )

## Target Details

Background:	Optional[synonyms]: Staphylococcal enterotoxins represent a group of proteins, which are secreted by <i>Staphylococcus aureus</i> 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.
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## Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

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Product cited in: Li, Yan, Feng, Wang, Du, Wang, Chen, Xiong, Liu: "Agarose-Based Microfluidic Device for Point-of-Care Concentration and Detection of Pathogen." in: **Analytical chemistry**, Vol. 86, Issue 21, pp. 10653-9, (2014) ([PubMed](#)).