

**bs-10722R****[ Primary Antibody ]****Staphylococcus Enterotoxin B Rabbit pAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> (predicted: Staphylococcus aureus)
<b>Target:</b> Staphylococcus Enterotoxin B		<b>Predicted MW.:</b> 15 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from Staphylococcus aureus Staphylococcus Enterotoxin B: 1-100/133.		<b>Subcellular Location:</b> Secreted
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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.		

**— SELECTED CITATIONS —**

- **[IF=5.83]** Li, Yiwei, et al. "Agarose-based microfluidic device for rapid point-of-care concentration and detection of pathogen." Analytical Chemistry (2014). Other ;="". 25264815
- **[IF=3.6]** Wanhao Li. et al. An enzyme-free immunosorbent assay of staphylococcal enterotoxin B using a three-way DNA junction amplifier with an automatic reset function. ANALYST. 2024 Dec;; . 39660565