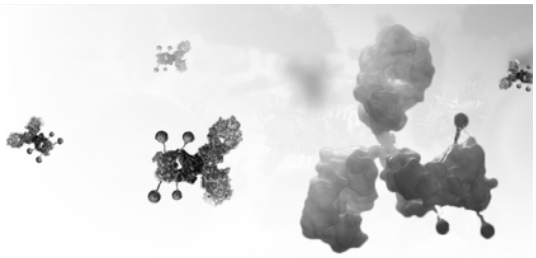

Anti-S. aureus Staphylococcus Enterotoxin B Monoclonal antibody, Clone A287-12288 (DMAB4313)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to Staphylococcus aureus Enterotoxin B (SEB)
Antigen Description	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.
Specificity	Specific to Staphylococcus aureus Enterotoxin B (SEB). Epitope recognized overlaps with the SEB TCR interaction site. No cross-reactivity with SEC1.
Target	S. aureus Staphylococcus Enterotoxin B
Immunogen	Staphylococcus aureus Enterotoxin B (SEB)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	S. aureus
Clone	A287-12288
Purification	Protein A chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

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Format	Purified, Lyophilized Reconstitute with 1ml deionized water.
Concentration	1mg/ml (prior to lyophilization)
Size	1 mg
Buffer	Lyophilized from 0.01M Phosphate, pH 7.4 containing 0.9% Sodium chloride
Preservative	None
Storage	Store lyophilized product at 2-8°C. After reconstitution, short term (up to 30 days) store at 2-8°C. Long term (up to one year) aliquot and store at -20°C to -70°C. If aliquoted for long term storage, fill volume should be equal to or greater than 50% of

BACKGROUND

Introduction	Staphylococcalenterotoxins represent a group of proteins, which are secreted byStaphylococcus aureus and cause staphylococcal food poisoning syndrome. Theillness is characterised by high fever, hypotension, diarrhea, shock, and insome cases death. Their molecular masses range between 27 and 30 kDa. Atpresent, 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 aresingle chain polypeptides containing one disulfide bond formed by two halfcystines located in the middle of the polypeptide chain, which form the socalled cysteine loop.
Keywords	Ent B; EntB; Enterotoxin type B; SEB; Staphylococcal enterotoxin B

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