



IBT BIOSERVICES

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Human anti- *Staph* Enterotoxin B mAb (628)

Catalog #: 0221-008

Lot #: 2204006

Immunogen: *Staphylococcus* Enterotoxin B (SEB)

Description: Human monoclonal antibody reactive to *Staphylococcus aureus* Enterotoxin B.

Supplied: 100 µg is supplied in PBS at a concentration of 2.600 mg/mL.

Purification: Antibody is purified using immobilized protein G.

Storage: 2-3 weeks +4°C, ≤-20°C long term

Clonality: Monoclonal of the IgG₁ subtype

Recommended Dilutions:

ELISA: Assay-dependent dilution. The antibody can be used for capture of SEB in an indirect ELISA assay.

WB: Not recommended for Western Blot because the antibody recognizes conformational epitope.

Neutralization: Assay-dependent dilution

Cross Reactivity: This antibody does not appear to cross react with *S. aureus* antigens Hla, LukF, LukS, or SEA at the tested concentrations.

For additional *S. aureus* products, please visit:

<https://www.ibtbioservices.com/product-category/staphylococcus/>

ELISA Data:

ng/mL	OD 650 nm				
	Hla	LukF	LukS	SEA	SEB
100.000	0.096	0.084	0.094		3.703
10.000	0.092	0.080	0.076	0.150	3.404
1.000	0.086	0.083	0.088	0.083	3.456
0.100	0.090	0.074	0.081	0.064	3.690
0.010	0.083	0.079	0.079	0.072	3.402
0.001	0.090	0.083	0.078	0.093	1.674
0.000	0.088	0.071	0.119	0.107	0.405
0.000	0.092	0.074	0.081	0.100	0.138

S. aureus antigens were diluted to 2 µg/mL in PBS for plate coating. Anti-SEB antibody 628 was serially diluted ten-fold from 100 µg/mL and incubated on the coated plates. Washed plates were detected with anti-human IgG-HRP conjugate and TMB substrate. OD₆₅₀ is reported above.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

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