



IBT BIOSERVICES

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Anti-Staphylococcal Enterotoxin B (SEB) IgG121 mAb

Catalog #: 0220-014

Lot #: 2304003

Immunogen: Staphylococcal enterotoxin B (SEB)

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

Supplied: 100 µg is supplied in PBS at a concentration of 1.457 mg/mL.

Purification: Antibody is purified using immobilized protein A.

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 as primary antibody against SEB in a capture ELISA assay and Western blot detection.

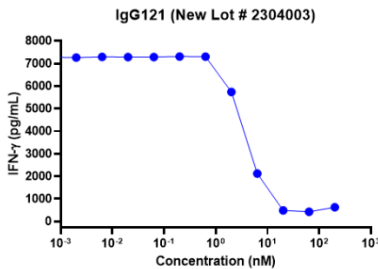
WB: Suggested use dilution of 0.1 µg/mL

Neutralization: Assay-dependent dilution

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

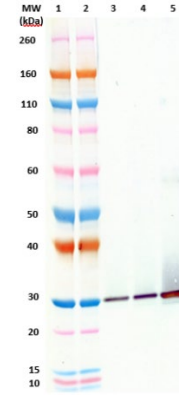
<https://www.ibtbioservices.com/product-category/staphylococcus/>

Toxin Neutralization Data:



Toxin Neutralization: Dose dependent suppression of SEB-induced IFN-γ production in human peripheral mononuclear cells (PBMC).

Western Blot Data:



Western blot detection of SEB at 50 ng, 100 ng, and 500 ng (lanes 3-5). SEB was detected with monoclonal antibody anti-SEB IgG121 at 0.1 µg/mL and an anti-Human IgG-HRP conjugate.

Capture ELISA Data:

ng/mL	OD 650 nm
	IgG 121 Ab
10,000.00	3.829
3,162.255	3.739
999.986	3.679
316.221	3.645
99.997	3.593
31.622	3.191
10.000	2.235
3.162	0.957
1.000	0.350
0.316	0.148
0.100	0.092
0.032	0.061

Capture ELISA in which SEB was coated to the plate overnight at 2-8°C at a concentration of 1 µg/mL. Anti-SEB IgG121 was serially diluted semi-log (1:3.16 serial dilutions) from 10,000 ng/mL and incubated on the coated plate. Goat Anti-Human IgG-HRP conjugate was used as a detection reagent.

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

The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, Inc.

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