



IBT BIOSERVICES

4 Research Court, Suite 300
Rockville, MD 20850
877-411-2041
Services@ibtbioservices.com

Human anti-*Staph* Enterotoxin A (SEA) mAb (514)

Catalog #: 0221-006

Lot #: 2204004

Immunogen: Staphylococcus Enterotoxin A (SEA)

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

Supplied: 100 µg is supplied in PBS at a concentration of 1.868 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 SEA in an indirect ELISA assay and Western blot detection.

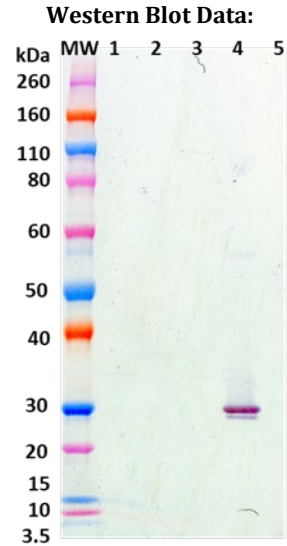
WB: Suggested use dilution of 0.50 µg/mL

Neutralization: Assay-dependent dilution

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

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

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



Western blot detection of Hla (lane 1), LukF (lane 2), LukS (lane 3), SEA (lane 4) and SEB (lane 5), 200ng each. SEA was detected with monoclonal antibody 514 at 0.50 µg/mL and an anti-human IgG-HRP conjugate.

Capture ELISA Data:

ng/mL	OD 650 nm				
	Hla	LukF	LukS	SEA	SEB
100.000	0.107	0.095	0.116	3.644	
10.000	0.090	0.081	0.091	3.559	0.086
1.000	0.101	0.075	0.080	3.647	0.081
0.100	0.085	0.072	0.087	3.504	0.066
0.010	0.080	0.075	0.086	2.346	0.081
0.001	0.083	0.082	0.075	0.530	0.080
0.000	0.088	0.072	0.076	0.150	0.084
0.000	0.094	0.067	0.077	0.106	0.086

S. aureus antigens were diluted to 2 µg/mL in PBS for plate coating. Anti-SEA antibody 514 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.

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

Copyright 2022. Integrated BioTherapeutics, Inc. All rights reserved.