

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

Catalog #: 0221-006

### Description:

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

### Immunogen/ Target:

Staphylococcus Enterotoxin A (SEA)

**Formulation & Storage:** Supplied in PBS in frozen format with no preservatives added. **Store at +4°C** for 2-3 weeks; **-80°C** for long-term

### Notes & Usage Guidelines:

**Clonality/Isotype:** Monoclonal; IgG1

**Host:** Human

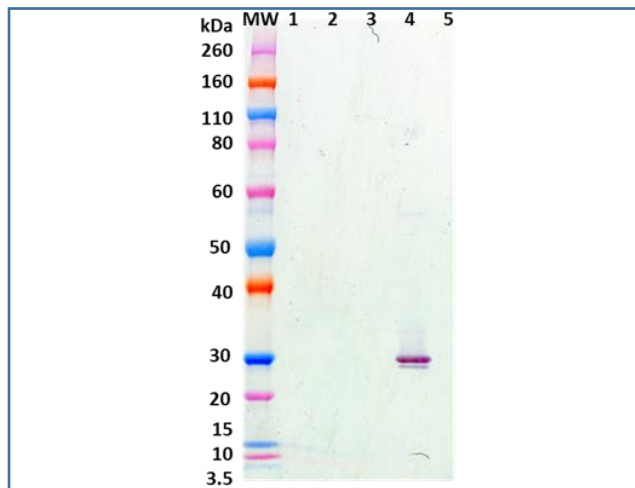
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### Western Blot Data:

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.



### ELISA Data:

*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. OD<sub>650</sub> is reported below.

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

### Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at [products@ibtbioservices.com](mailto:products@ibtbioservices.com).

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