

Mouse anti-Staphylococcal Alpha Hemolysin Toxin mAb (8B7)

Catalog #: 0210-001

Description:

Mouse monoclonal antibody (mAb) reactive to full length *Staphylococcus aureus* alpha-hemolysin (alpha-toxin). The antibody detects the antigen produced by *S. aureus* strains in Western Blotting and ELISA and neutralizes the hemolytic activity of the toxin.

Immunogen/ Target:

Polypeptide sequence of *Staphylococcus* alpha-hemolysin targeting the N terminus of the mature toxin.

Formulation & Storage: Supplied in PBS in frozen format with no preservatives added. **Store at +4°C** for 2-3 weeks; **-20°C** for long-term

Notes & Usage Guidelines:

Clonality/Isotype: Monoclonal; N/A

Host: Mouse

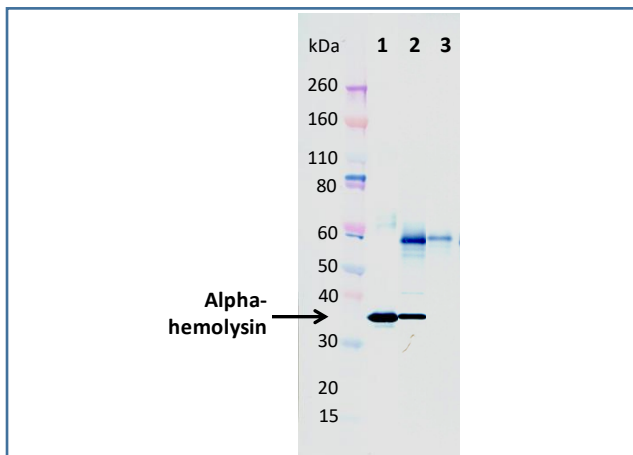
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Western blot was detected with anti-alpha hemolysin mAb 8B7 at 1 µg/mL and visualized using an anti-mouse IgG-HRP conjugate and TMB membrane substrate. MW denotes Novex Sharp prestained protein markers. Alpha-toxin at 100 ng (lane 1) is visualized as a protein band at ~33 kDa. Protein band at ~33 kDa was also detected in the culture supernatant of USA300 (lane 2), but not in the negative control USA300 ΔHla strain (lane 3).



ELISA Data:

Various Staphylococcal toxins were coated to plates at a concentration of 1 µg/mL in PBS. Anti-alpha hemolysin mAb 8B7 was serially diluted semi-log from 2 µg/mL and incubated on the toxin coated plates. Washed plates were detected with anti-mouse IgG-HRP conjugate and TMB substrate. OD₆₅₀ is reported below.

ELISA Data:	OD 650		
	Alpha-Toxin @ 1 µg/mL	Staph enterotoxin B @ 1 µg/mL	rLukS-PV @ 1 µg/mL
Antibody (µg/mL)			
2.0000	1.6850	0.0710	0.1160
0.6325	1.1520	0.0530	0.0890
0.2000	0.6750	0.0510	0.0720
0.0632	0.3510	0.0480	0.0680
0.0200	0.1960	0.0500	0.0670
0.0063	0.0910	0.0740	0.0690
0.0020	0.0630	0.0630	0.0770
0.0006	0.0570	0.0540	0.0800
0.0000	0.0610	0.0560	0.0850

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.

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