

## Mouse anti-Staphylococcal Alpha Hemolysin Toxin mAb (6C12)

Catalog #: 0210-005

### Description:

Mouse monoclonal antibody (mAb) reactive to full length *Staphylococcus aureus* alpha-hemolysin (alpha-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; **-80°C** for long-term

### Notes & Usage Guidelines:

**Clonality/Isotype:** Monoclonal; IgG2b

**Host:** Mouse

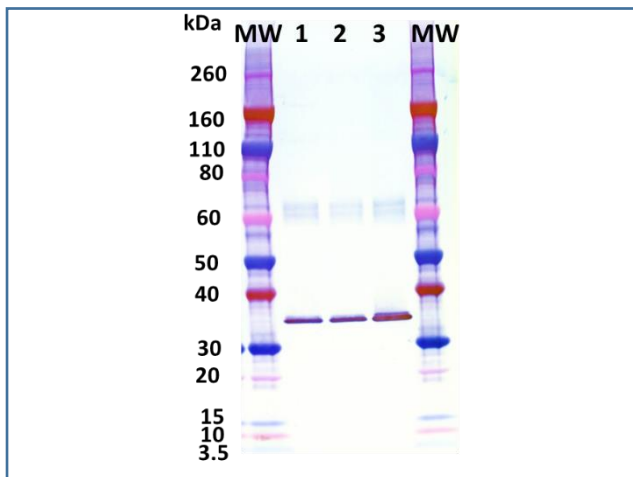
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### Western Blot Data:

Alpha-hemolysin (cat # 1401-002) at 5 ng (lane 1), 10 ng (lane 2) and 50 ng (lane 3) were visualized at an approximate molecular weight of 33 kDa. Western blots were detected with anti-alpha hemolysin mAb (6C12) at 1 µg/mL and visualized using an anti-mouse IgG-HRP conjugate and TMB membrane substrate. MW denotes Novex Sharp prestained protein markers.



### ELISA Data:

Staphylococcal toxins were coated to plates at a concentration of 1 µg/mL in PBS. Anti-alpha hemolysin monoclonal antibody 6C12 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. OD<sub>650</sub> is reported below.

6C12 mAb (µg/mL)	α-Toxin @ 1 µg/mL	LukS-PV @ 1 µg/mL
2.0000	3.7700	0.0640
0.6325	3.6110	0.0540
0.2000	3.3550	0.0490
0.0632	2.8930	0.0570
0.0200	2.0800	0.0510
0.0063	1.1040	0.0580
0.0020	0.4760	0.0570
0.0006	0.2010	0.0550
0.0002	0.1050	0.0570
0.0001	0.0730	0.0590
0.0000	0.0670	0.0660

### 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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