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Human anti-Alpha Hemolysin (Hla) mAb (327)

Catalog #: 0221-003

Lot #: 2204001

Immunogen: Alpha Hemolysin (Hla)

Description: Human monoclonal antibody reactive to *Staphylococcus aureus* Alpha Hemolysin.

Supplied: 100 µg is supplied in PBS at a concentration of **2.875 mg/mL**.

Purification: Antibody is purified using immobilized protein G.

Storage: 2-3 weeks +4°C, ≤-20°C long term

Clonality: Monoclonal of the IgG_1 subtype

Recommended Dilutions:

ELISA: Assay-dependent dilution. The antibody can be used for capture of Hla in an indirect ELISA assay and Western blot detection.

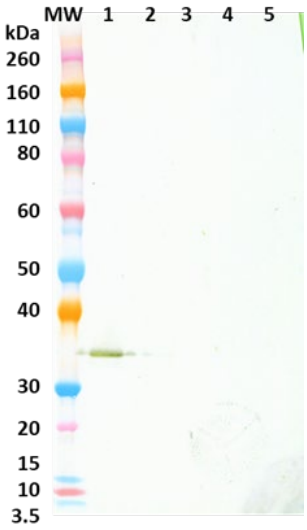
WB: Suggested use dilution of 0.50 µg/mL

Neutralization: Assay-dependent dilution

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

For additional *S. aureus* products, please visit:
https://www.ibtbioservices.com/product-category/staphylococcus/

Western Blot Data:



Western blot detection of Hla (lane 1), LukF (lane 2), LukS (lane3), SEA (lane 4) and SEB (lane 5), 200ng each. Hla was detected with monoclonal antibody 327 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	3.708	0.26	0.334	0.074	0.085
10.000	3.722	0.081	0.066	0.065	0.172
1.000	3.706	0.085	0.082	0.098	0.073
0.100	3.564	0.098	0.078	0.077	0.074
0.010	3.071	0.064	0.073	0.070	0.083
0.001	1.057	0.092	0.071	0.063	0.071
0.000	0.226	0.103	0.072	0.067	0.073
0.000	0.104	0.070	0.090	0.073	0.201

S. aureus antigens were diluted to 2 µg/mL in PBS for plate coating. Anti-Hla antibody 327 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_{650} is reported above.

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