



IBT BIOSERVICES

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

Human anti-LukS-PV mAb (175)

Catalog #: 0221-005

Lot #: 2204003

Immunogen: Panton-Valentine Leukocidin (PVL) S subunit (LukF-PV)

Description: Human monoclonal antibody reactive to *Staphylococcus aureus* LukS-PV.

Supplied: 100 µg is supplied in PBS at a concentration of 2.552 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 LukS-PV in an indirect ELISA assay.

WB: Not recommended for Western Blot because the antibody recognizes conformational epitope.

Neutralization: Assay-dependent dilution

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

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

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

ELISA Data:

ng/mL	OD 650 nm				
	Hla	LukF	LukS	SEA	SEB
100.000	0.086	0.110	3.706	0.066	0.072
10.000	0.086	0.095	3.466	0.064	0.266
1.000	0.083	0.073	3.511	0.060	0.066
0.100	0.082	0.084	3.225	0.068	0.067
0.010	0.101	0.088	2.300	0.064	0.125
0.001	0.091	0.080	0.525	0.084	0.074
0.000	0.107	0.158	0.121	0.090	0.072
0.000	0.119	0.092	0.084	0.108	0.071

S. aureus antigens were diluted to 2 µg/mL in PBS for plate coating. Anti-LukS-PV antibody 175 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.

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