



# IBT BIOSERVICES

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

## Mouse anti-LukS-PV mAb (1D9)

### ELISA Data:

**Catalog #:** 0221-001

**Lot #:** 1312002

**Immunogen:** Recombinant LukS-PV (His tag)

**Description:** Mouse monoclonal antibody reactive to a conformational epitope of *Staphylococcus aureus* Panton Valentine Leukocidin LukS subunit.

**Supplied:** 100 µg is supplied in PBS at a concentration of 3.98 mg/mL.

**Purification:** Antibody is purified using immobilized protein A.

**Clonality:** Monoclonal of the IgG<sub>2b</sub> isotype.

**Relevance:** The antibody can be used for detection of LukS-PV in an ELISA sandwich assay. It is not recommended for denatured Western blot detection due to the recognition of a partially conformational epitope of the LukS.

### Recommended Dilutions:

**ELISA:** Assay-dependent dilution. Internal QC demonstrates good capture of purified recombinant LukS-PV using this monoclonal antibody coated to a plate at 100 ng/well.

**WB:** It is not recommended to use this antibody for Western Blotting application due to weak detection of LukS-PV.

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

**Cross Reactivity:** As with most antibodies, this antibody may interact with Protein A in *S. aureus* culture supernatant via the Fc region. Other cross reactive epitopes are not known at this time.

Antibody (µg/mL)	OD 650	
	LukS-PV (His-tag) @ 1 µg/mL	MVP40 (His-tag) @ 1 µg/mL
1.0000	3.6910	0.1380
0.3333	3.6000	0.1420
0.1111	3.5800	0.1460
0.0370	3.4180	0.1450
0.0123	2.4840	0.1500
0.0041	1.0970	0.1520
0.0014	0.4310	0.1500
0.0005	0.2140	0.1510
0.0002	0.1680	0.1570
0.0001	0.1450	0.1510
0.0000	0.1441	

ELISA data demonstrating the capture and detection of purified LukS-PV from 1 µg/mL down to 0.1 ng/mL and His-tagged recombinant VP40 as a negative control. Detection was accomplished using Polyclonal anti-PVL LukS antibody (cat# 04-0009) and anti-rabbit IgG-HRP conjugate with TMB substrate. OD650 are as reported.

	Dilution	OD 650
<i>S. aureus</i> USA300 6-hour culture supernatant	Neat	3.802
	1:3	3.190
	1:9	1.654
	1:27	0.642
	1:81	0.284
	1:243	0.200
	1:729	0.169

ELISA data demonstrating the capture and detection of native LukS-PV from 100 µL of *S. aureus* USA300 6-hour culture supernatant. Supernatant is titrated three-fold from Neat as indicated. Detection is accomplished as described above.

### Related Products:

IBT provides a wide array of virus specific antibodies, recombinant proteins and other infectious disease reagents. Please see our website, [www.ibtbioservices.com](http://www.ibtbioservices.com) for more details.

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

*The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, Inc.*

**Copyright 2014. Integrated BioTherapeutics, Inc. All rights reserved**