

Mouse anti-LukS-PV mAb (1D9)

Catalog #: 0221-001

Description:

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

Immunogen/ Target:

Recombinant LukS-PV (His tag)

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: Not recommended

Applications

Western Blot Data:

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

Antigen Conc. (µg/mL)	OD 650	
	LukS-PV (His-tag)	MVP40 (His-tag)
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:

1D9 was used as Capture Antibody in a sandwich ELISA to detect purified LukS-PV or native LukS-PV from *S. aureus* USA300 6-hour culture supernatant. Purified LukS-PV was tested starting 1 µg/mL followed by three-fold serial dilutions and His-tagged recombinant VP40 was tested as a negative control. Bacterial supernatant was tested undiluted followed by three-fold serial dilutions. Secondary Antibody was a Polyclonal anti-PVL LukS antibody (cat# 04-0009). Detection was accomplished using an anti-rabbit IgG-HRP conjugate, followed by 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

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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