

## Rabbit anti-LukB pAb

Catalog #: 0317-001

### Description:

Affinity purified rabbit polyclonal antibody reactive to *Staphylococcal* LukB. The antibody detects recombinant LukB protein and LukB expressed in Newman strain.

### Immunogen/ Target:

Peptide sequence specific to *Staphylococcus aureus* Leukocidin B (LukB) protein sequence.

**Formulation & Storage:** Supplied in PBS and 0.02% sodium azide. **Store at**  $\leq -20^{\circ}\text{C}$  for long term. Avoid multiple freeze thaws.

### Notes & Usage Guidelines:

**Clonality/Isotype:** Polyclonal; N/A

**Host:** Rabbit

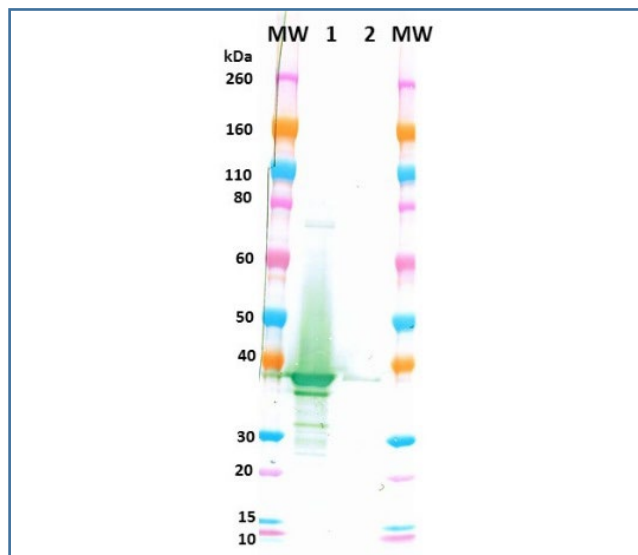
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### Western Blot Data:

Rabbit anti-LukB polyclonal antibody at 0.1  $\mu\text{g}/\text{mL}$  was able to detect LukB in 100 ng of heat-denatured and reduced recombinant *S. aureus* LukA-LukB heterodimer (lane 1) and did not detect recombinant *S. aureus* LukF-PV (lane 2). Protein bands were visualized using an anti-rabbit IgG-HRP, followed by TMB Membrane Substrate.



### ELISA Data:

Recombinant *S. aureus* LukA-LukB heterodimer (Catalog # 0510-001) and recombinant LukF-PV protein (Catalog # 0540-002) were coated onto ELISA plates at 100 ng/well. Rabbit anti-LukB polyclonal antibody was serially diluted semi-log from 10  $\mu\text{g}/\text{mL}$  and incubated on the coated plates. Washed plates were detected with anti-rabbit IgG-HRP and TMB Microwell Substrate. OD650 is reported below. The anti-LukB polyclonal antibody strongly reacted to LukB in the recombinant *S. aureus* LukA-LukB heterodimer. Cross-reactivity was not observed against recombinant *S. aureus* LukF-PV at the highest concentrations of antibody tested.

Anti-LukB antibody ( $\mu\text{g}/\text{mL}$ )	OD 650	
	against 100 ng/well of recombinant LukA-LukB heterodimer	against 100 ng/well of recombinant LukF-PV protein
10.0000	3.821	0.128
3.1623	3.719	0.037
1.0000	3.630	0.081
0.3162	3.517	0.065
0.1000	3.231	0.089
0.0316	2.360	0.044
0.0100	1.412	0.093
0.0032	0.598	0.099
0.0010	0.253	0.075
0.0003	0.132	0.078
0.0001	0.091	0.084
0.0000	0.082	0.120

### 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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