



# IBT BIOSERVICES

## Rabbit anti-LukA Polyclonal Ab

**Catalog #:** 0316-001

**Lot #:** 1801001

**Immunogen:** Peptide sequence specific to *Staphylococcus aureus* Leukocidin A (LukA) protein sequence.

**Description:** Affinity purified rabbit polyclonal antibody reactive to *Staphylococcal* LukA. The antibody detects recombinant LukA protein.

**Supplied:** 100 µg is supplied in PBS + 0.02% sodium azide at a concentration of 0.660 mg/mL.

**Raised in:** Rabbits

**Purification:** Antibody is affinity purified using immobilized immunogen.

**Clonality:** Polyclonal

**Relevance:** The antibody can be used for detection of *Staphylococcal* LukA.

**Recommended Dilutions:**

**ELISA:** Assay-dependent dilution.

**WB:** Assay-dependent dilution.

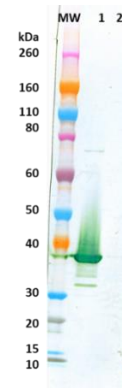
**Storage:** ≤-20°C long term. Avoid multiple freeze thaws.

**Cross Reactivity:** No cross-reactivity was observed against other *Staphylococcus aureus* leukocidins.

For additional *S. aureus* products, please visit:  
<http://www.ibtbioservices.com/reagents/staphylococcus/>

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### Western Blot Data:



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

### ELISA Data:

| Anti-LukA antibody (µg/mL) | OD 650   |  |
|----------------------------|--|--|
|                            | against 100 ng/well of recombinant LukA-LukB heterodimer | against 100 ng/well of recombinant LukS-PV protein |
| 10.0000                    | 3.812  | 0.074  |
| 3.1623                     | 3.692  | 0.064  |
| 1.0000                     | 3.601  | 0.065  |
| 0.3162                     | 3.320  | 0.057  |
| 0.1000                     | 2.590  | 0.060  |
| 0.0316                     | 1.478  | 0.069  |
| 0.0100                     | 0.657  | 0.068  |
| 0.0032                     | 0.288  | 0.066  |
| 0.0010                     | 0.145  | 0.061  |
| 0.0003                     | 0.089  | 0.064  |
| 0.0001                     | 0.073  | 0.066  |
| 0.0000                     | 0.075  | 0.079  |

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

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

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