

## S. aureus LukS-PV (His-tag, N-terminus)

Catalog #: 0530-001

### Description:

Purified, His-tagged *Staphylococcus aureus* Pantone-Valentine Leukocidin (PVL) S subunit (LukS-PV). The theoretical molecular weight of the protein is 35 kDa including the His-tag.

**Formulation & Storage:** Supplied in PBS and 15% Glycerol. **Store at -20°C** for 2-3 weeks, **-80°C** for long term.

### Notes & Usage Guidelines:

**ELISA:** N/A

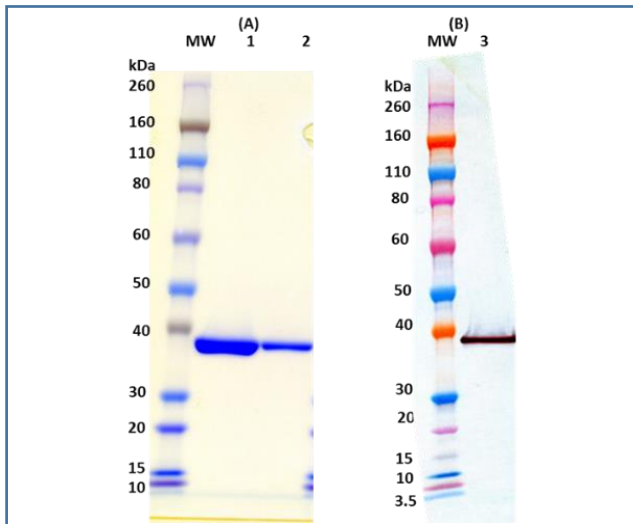
**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

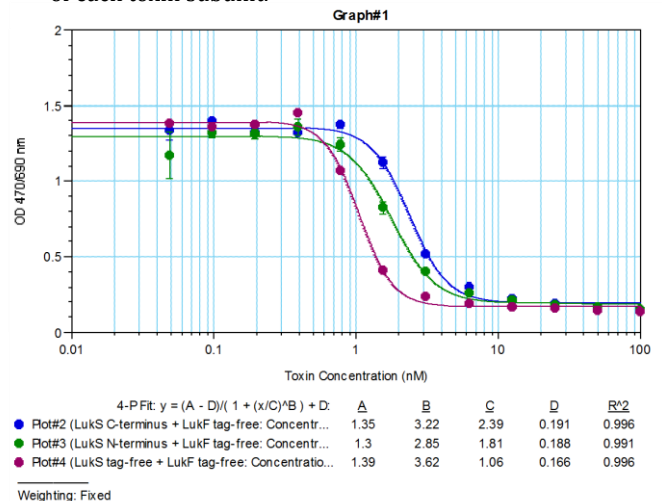
(A) SDS-PAGE of 5µg and 1µg (Lanes 1 and 2) of LukS-PV His-tag followed by Coomassie staining.

(B) Western blot detection of 100 ng (Lane 3) of LukS-PV using an anti-His antibody.



### Toxin Functionality Data:

Human promyelocytic leukemia cell line HL60 was differentiated into neutrophils by treatment with DMSO. Neutrophils were incubated with serial dilutions of LukS and LukF at equimolar concentration for 48 hours at 37°C with 5% CO<sub>2</sub> and 95% humidity. Cellular viability was determined by adding XTT and incubation for additional 6 hours. Cells were centrifuged and the OD determined in the supernatants at 470nm. EC<sub>50</sub> was found to be 2.39 nm of each toxin subunit.



### 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 [services@ibtbioservices.com](mailto:services@ibtbioservices.com)

### Related Products:

IBT provides a wide array of anti-filovirus 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, LLC.

Copyright 2023. Integrated BioTherapeutics, LLC. All rights reserved.