

S. aureus LukF-PV (tag free)

Catalog #: 0540-002

Description:

Purified, recombinant *Staphylococcus aureus* Pantone-Valentine Leukocidin (PVL) F subunit (LukF-PV) purified by column chromatography. The theoretical molecular weight of the protein is 34,580 Daltons.

Formulation & Storage: Supplied in PBS containing sodium chloride and 5% glycerol. **Store at** -20°C for 2-3 weeks, -80°C for long term.

Notes & Usage Guidelines:

ELISA: Assay-dependent dilution

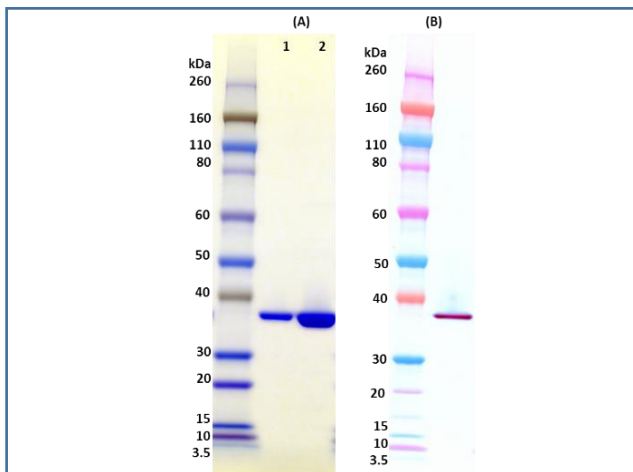
WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

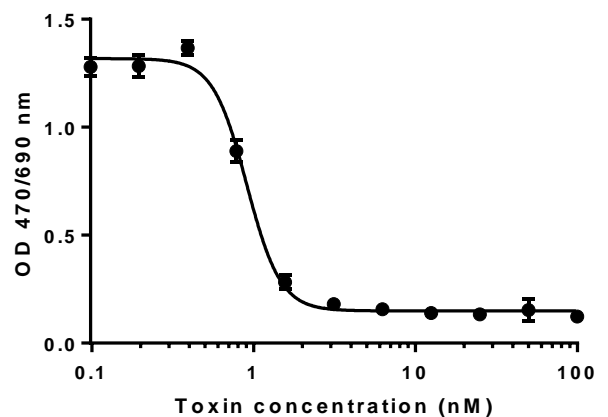
(A) SDS-PAGE of LukF-PV: 1 µg (Lane 1) and 5 µg (Lane 2) Protein demonstrates a molecular weight of approximately 37 kDa.

(B) Western blot detection of LukF-PV at 100 ng, using IBT's anti-LukF-PV polyclonal antibody (Catalog # 0312-002) at 0.5 µg/mL and an anti-rabbit IgG-HRP conjugate, followed by TMB substrate.



Toxin Functionality Data:

Human promyelocytic leukemia cell line HL60 was differentiated into neutrophils by treatment with DMSO. Neutrophils were incubated with serial dilutions of LukF-PV and LukS-PV at equimolar concentration for 3 hours at 37°C with 5% CO₂ and 95% humidity. Cellular viability was determined by adding XTT and incubating for an additional 16 hours. Cells were centrifuged and the OD determined in the supernatants at 470/690 nm. EC₅₀ values were found to be 0.907 nM.



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

Related Products:

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