

S. aureus LukAB Protein (tag-free)

Catalog #: 0510-001

Description:

Purified, tag-free recombinant *Staphylococcus aureus* LukAB heterodimer. The theoretical molecular weight of LukA is 37,082 Daltons and the molecular weight of LukB is 35,573 Daltons.

Formulation & Storage: Supplied in PBS with sodium chloride and 5% glycerol. **Store at -80°C** for long-term.

Notes & Usage Guidelines:

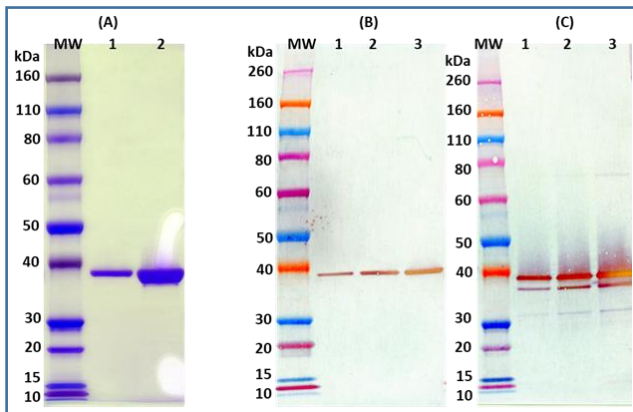
ELISA: N/A

WB: Assay-dependent dilution

Applications

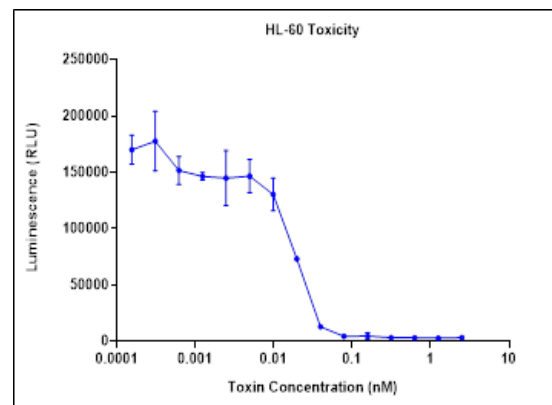
SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (Lanes 1 and 2 respectively) of LukAB under denaturing and reducing condition. MW denotes Novex® Sharp prestained protein markers. (B and C) Western blot detection of heat denatured and reduced LukAB was loaded at 50 ng, 100 ng and 200 ng (Lanes 1, 2 and 3). In Panel B, LukA was detected using 0.5 µg/mL of rabbit anti-LukA polyclonal antibody (Catalog # 0316-001). In Panel C, LukB was detected using 0.5 µg/mL of rabbit anti-LukB polyclonal antibody (Catalog # 0317-001). An anti-rabbit IgG-HRP conjugate was then added, followed by TMB Membrane Substrate.



Toxin Functionality Data:

Human promyelocytic leukemia cell line HL-60 was differentiated into neutrophils by treatment with DMSO. Neutrophils were incubated with serial dilutions of LukAB for 3 hours at 37°C with 5% CO₂ and 95% humidity. Promega's CellTiter-Glo® was added to cells and incubated for an additional 10-15 min on a shaker, at ambient temperature. Cell viability was determined from the luminescence signals (RLU).



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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