

Staphylococcus aureus Gamma Hemolysin C (Hlg C)

Catalog #: 1405-001

Description:

Purified, recombinant and tag-free *Staphylococcus aureus* Gamma Hemolysin C (Hlg C) expressed in *E. coli* and purified by FPLC. The theoretical molecular weight of the protein is 32.8 kDa.

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

Notes & Usage Guidelines:

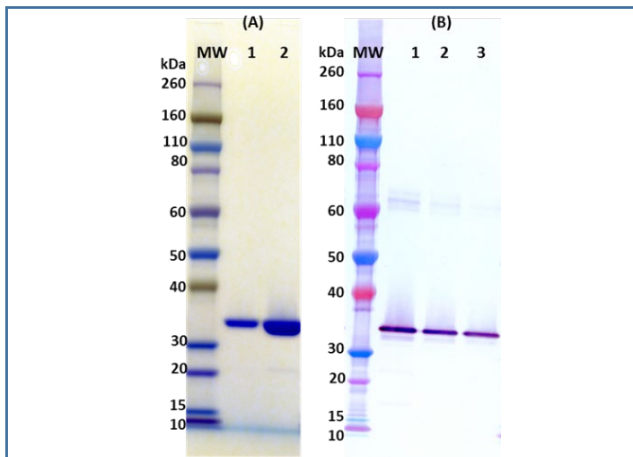
ELISA: N/A

WB: Assay-dependent dilution

Applications

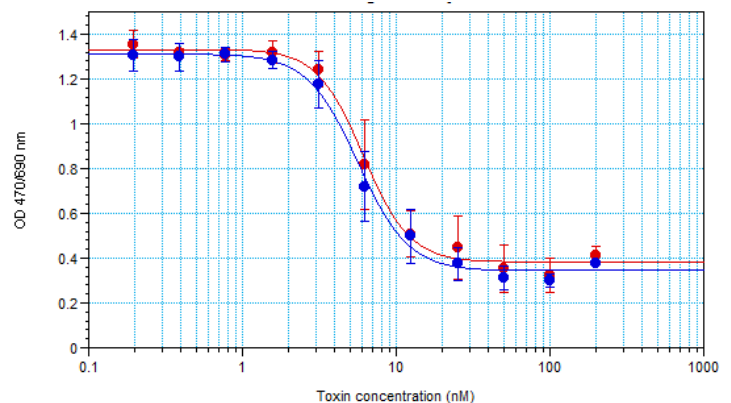
SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (Lanes 1 and 2 respectively) of Hlg C protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of Hlg C at 100 ng, 50 ng, and 25 ng (Lanes 1-3). Hlg C was detected using IBT's polyclonal antibody (Catalog # 0314-002) at 500 ng/mL and anti-rabbit IgG-horseradish peroxidase (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 Hlg B tag-free and Hlg C at equimolar concentration for 3 hours at 37°C with 5% CO₂ and 95% humidity. Cellular viability was determined by adding XTT and incubation for additional 16 hours. ODs were determined in the supernatants at 470/690 nm. EC₅₀ values were found to be 2.64 nM for lot 1806001 (blue circles) and 2.87 nM for previous lot 1509003 (red circles).



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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