



IBT BIOSERVICES

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Staphylococcus aureus Delta Hemolysin (δ -toxin)

Catalog #: 1401-003

Lot #: 2204007

Description: Purified *Staphylococcus aureus* delta hemolysin (delta toxin; Hld).

Supplied: 100 μ g is supplied in phosphate buffered saline at a concentration of 0.689 mg/mL.

Storage: -20°C

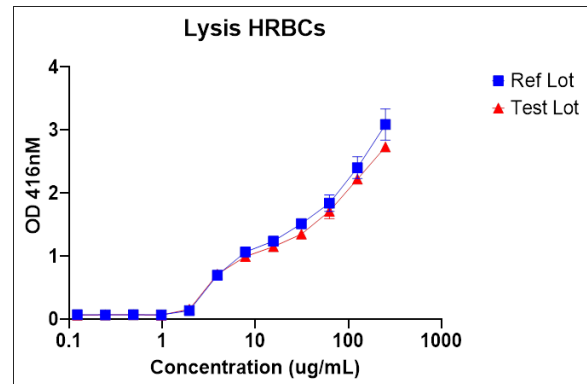
Relevance: δ -Toxin is produced by *S. aureus* and is translated from the RNAIII transcript, a key player of the staphylococcal quorum sensing system (*agr*). δ -Toxin is a major virulence factor of *S. aureus* and primarily causes cytolysis in red and white blood cells.

Recommended Dilutions:

ELISA: Assay-dependent dilution.

WB: Not recommended for this peptide.

Cytotoxicity assay: The peptide is active in functional lysis assays with horse red blood cells, as well as human peripheral mononuclear cells. The peptide can be also used in serology assay as coating antigen to detect antibodies to Hld.



Lysis of horse red blood cells by *S. aureus* δ -Toxin. Red blood cell lysis was measured by the OD of the supernatants at 416 nm after 45 min incubation at 37°C with δ -Toxin. Starting concentration was 250 μ g/mL with 2-fold dilutions. Red triangles represent the current lot 2204007 and blue squares represent the old lot 1410001.

For additional *S. aureus* products, please visit:

<https://www.ibtbioservices.com/product-category/staphylococcus/>

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