

# Recombinant Staphylococcus aureus Delta Hemolysin ( $\delta$ -toxin) (tag free)

Catalog No: tcip3033



## Available Sizes

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**Size:** 100 $\mu$ g

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## Specifications

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**Application:**

ELISA, Cytotoxicity

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**Research Area:**

Virology

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**Form:**

Frozen Liquid

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**Concentration:**

Supplied in phosphate buffered saline at a concentration of 0.689 mg/mL

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**Recommended Dilution:**

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.

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**Purity / Grade:**

Column chromatography (FPLC)

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**Storage Instruction:**

2-3 weeks at -20°C, long term It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles

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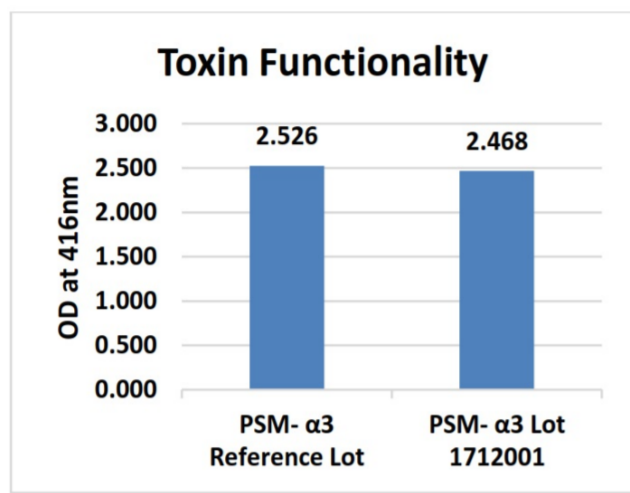
**Relevance:**

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

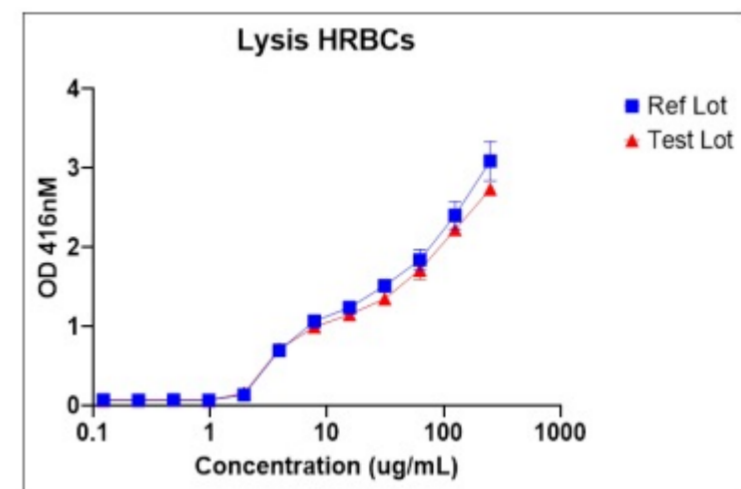
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## Product Description

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



Lysis of horse red blood cells by *S. aureus* PSM-α3 (62.5 μg/ml; 45 min). Red blood cell lysis was measured by the OD of the supernatants at 416nm after 45 min incubation at 37°C with PSM-α3.



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 μg/mL with 2-fold dilutions. Red triangles represent the current lot 2204007 and blue squares represent the old lot 1410001.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!