

Recombinant Staphylococcus aureus Delta Hemolysin (δ -toxin) (tag free)

Catalog No: tcip3033



Available Sizes

Size: 100 μ g



Specifications

Application:

ELISA, Cytotoxicity

Research Area:

Virology

Form:

Frozen Liquid

Concentration:

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

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.

Purity / Grade:

Column chromatography (FPLC)

Storage Instruction:

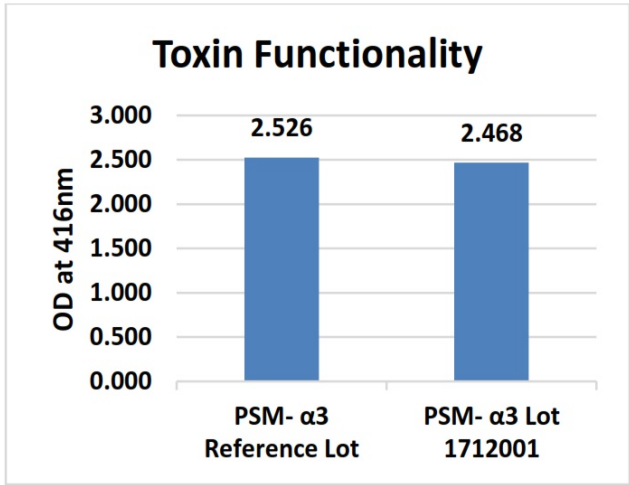
2-3 weeks at -20°C, long term It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles

Relevance:

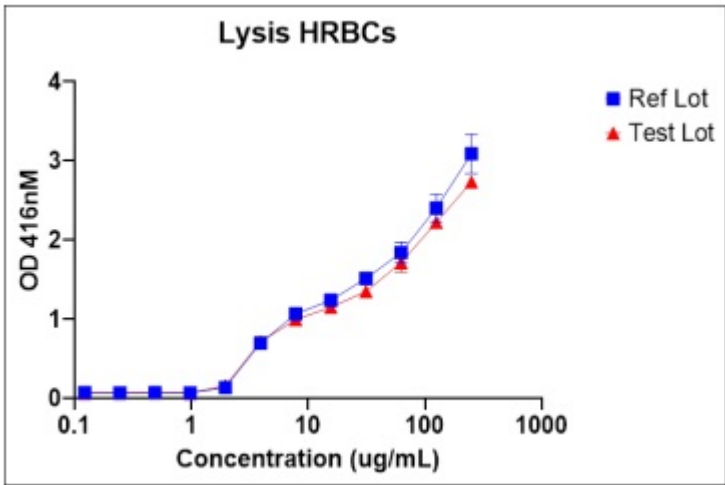
δ -Toxin is produced by *S. aureus* and is translated from the RNAIII transcript, a key player of the staphylococcal quorum sensing system (agr). δ Toxin is a major virulence factor of *S. aureus* and primarily causes cytolysis in red and white blood cells.

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!