

Recombinant Staphylococcus aureus Alpha Hemolysin (Hla) (tag free)

Catalog No: tcip3032



Available Sizes

Size: 100µg



Specifications

Application:

ELISA, WB, Cytotoxicity

Research Area:

Virology

Form:

Frozen Liquid

Concentration:

Supplied in phosphate buffered saline at a concentration of 0.520 mg/mL. ; Endotoxin: 30.213 Endotoxin units/mg

Recommended Dilution:

ELISA: Assay-dependent dilution.; WB: Assay-dependent dilution; internal QC demonstrates detection of Hla protein using Taiclone's mouse anti-Alpha Toxin (6C12) monoclonal antibody (cat# tcia123) in Western blotting. ;

Cytotoxicity assay: The protein is active in functional lysis assays with rabbit red blood cells. ; The protein can be also used in serology assay as coating antigen to detect antibodies against Hla.

Purity / Grade:

Column chromatography (FPLC)

Storage Instruction:

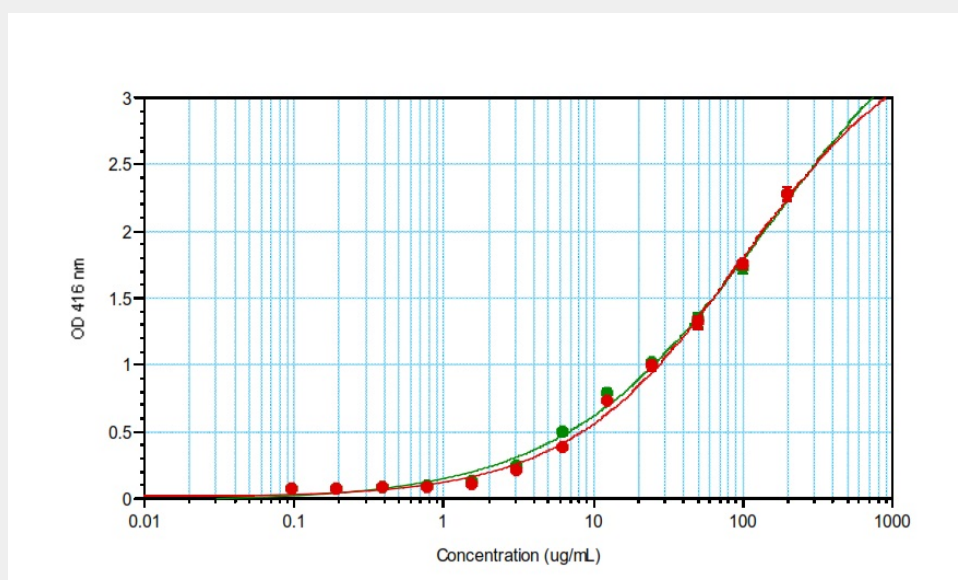
2-3 weeks at -20°C, long term It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles

Relevance:

Hla is produced by S. aureus and is a major cytotoxic agent. It is expressed as a monomer that binds to the membrane of susceptible cells. ; Subunits then oligomerize to form heptameric rings with a central pore through which cellular contents leak. The mode of action of S. aureus Hla is likely by osmotic lysis.

Product Description

Staphylococcus aureus alpha hemolysin (Hla), also known as alpha toxin (α -toxin), is expressed in E. coli as a recombinant protein without TAG. ;The theoretical molecular weight of the protein is approximately 33 kDa.



Lysis of horse red blood cells by S. aureus δ -Toxin. Red blood cell lysis was measured by the OD of the supernatants at 416nm after 45 min incubation at 37°C with δ -Toxin. ; Red circles represents the current lot 1508005 and green circles represents the previous lot 1410001.

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