

Product datasheet

Recombinant Staphylococcus alpha Hemolysin protein (Active) ab233724

3 Images

Description

Product name	Recombinant Staphylococcus alpha Hemolysin protein (Active)
Biological activity	ab233724 is active in functional lysis assays with rabbit red blood cells. EC₅₀ ~0.015 µg/ml.
Purity	> 80 % Affinity purified. Purification by column chromatography.
Endotoxin level	= 5.165 Eu/mg
Expression system	Escherichia coli
Accession	P09616
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Predicted molecular weight	33 kDa

Specifications

Our [Abpromise guarantee](#) covers the use of **ab233724** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot Functional Studies SDS-PAGE ELISA
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -80°C. Constituents: PBS, 20% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

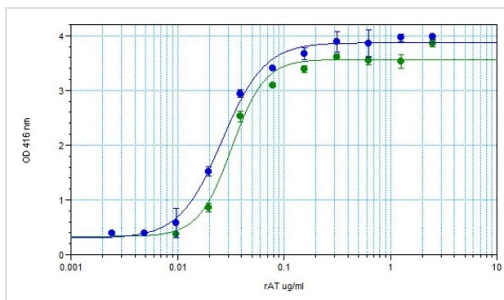
Relevance

Staphylococcus aureus alpha Hemolysin binds to the membrane of eukaryotic cells resulting in the release of low-molecular weight molecules and leading to an eventual osmotic lysis. The toxin self-assembles to form first, a nonlytic oligomeric intermediate, and then, a mushroom-shaped homoheptamer structure. Heptamer oligomerization and pore formation is required for lytic activity.

Cellular localization

Secreted

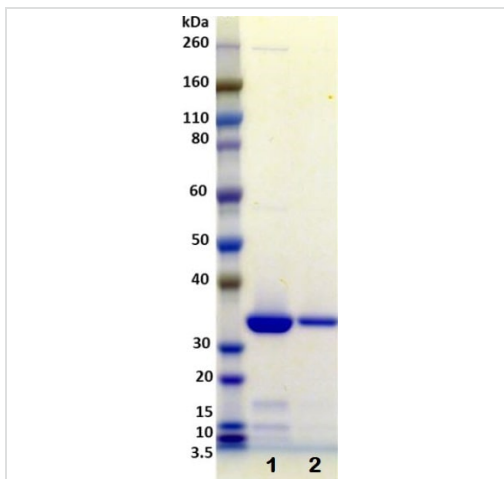
Images



Lysis of rabbit red blood cells by *S. aureus* Hla.

Red blood cell lysis was determined by absorbance at OD 416 nm after 30 min incubation at 37°C with Hla.

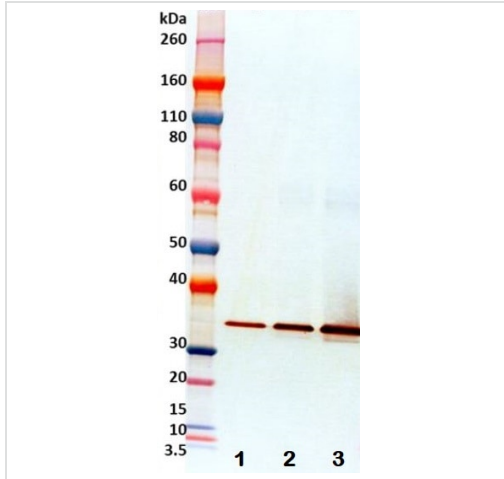
Functional Studies - Recombinant *Staphylococcus* alpha Hemolysin protein (Active) (ab233724)



Lane 1: 5 ug.

Lane 2: 1 ug.

SDS-PAGE - Recombinant *Staphylococcus* alpha Hemolysin protein (Active) (ab233724)



Western blot - Recombinant Staphylococcus alpha Hemolysin protein (Active) (ab233724)

All lanes : Mouse anti-Alpha Toxin (6C12) monoclonal antibody at 1 µg/ml

Lane 1 : Recombinant Staphylococcus alpha Hemolysin protein (Active) (ab233724) at 0.005 µg

Lane 2 : Recombinant Staphylococcus alpha Hemolysin protein (Active) (ab233724) at 0.01 µg

Lane 3 : Recombinant Staphylococcus alpha Hemolysin protein (Active) (ab233724) at 0.05 µg

Secondary

All lanes : Anti-mouse IgG-HRP conjugate

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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