

Product datasheet

Anti-alpha-hemolysin antibody [8B7] - N-terminal ab190467

[7 References](#) [2 Images](#)

Overview

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | Anti-alpha-hemolysin antibody [8B7] - N-terminal |
| Description | Mouse monoclonal [8B7] to alpha-hemolysin - N-terminal |
| Host species | Mouse |
| Specificity | ab190467 does not appear to cross react with Staphylococcal enterotoxin B (SEB), rLukS-PV or rLukF-PV based on historical ELISA data. As with most antibodies, ab190467 interacts with Protein A in <i>S. aureus</i> culture supernatant via the Fc region. |
| Tested applications | Suitable for: WB, Neutralising |
| Species reactivity | Reacts with: <i>Staphylococcus aureus</i> |
| Immunogen | Synthetic peptide corresponding to alpha-hemolysin (N terminal). Polypeptide sequence of <i>Staphylococcus aureus</i> alpha-hemolysin targeting the N terminus of the mature toxin. Database link: P09616 |
| Positive control | Alpha Hemolysin Toxin; culture supernatant of USA300 strain |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | Constituent: 100% PBS |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | 8B7 |

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab190467 in the following tested applications.

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

| Application | Abreviews | Notes |
|--------------|-----------|----------------------------------------------------------------------------------------------------------|
| WB | | Use a concentration of 1 µg/ml. Predicted molecular weight: 36 kDa. |
| Neutralising | | Use at an assay dependent concentration. ab190467 can neutralize the hemolytic activity of the toxin. |

Target

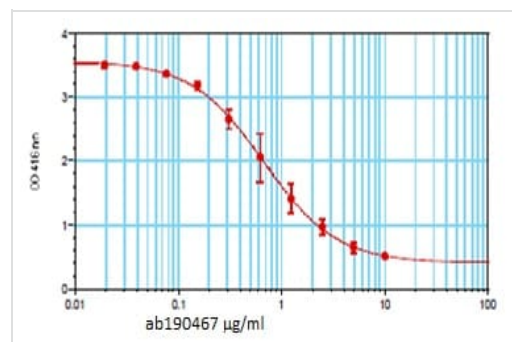
Relevance

Alpha-toxin binds to the membrane of eukaryotic cells resulting in the release of low-molecular weight molecules and leading to an eventual osmotic lysis. Heptamer oligomerization and pore formation is required for lytic activity.

Cellular localization

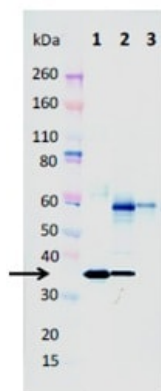
Secreted. Note: Secreted as a monomer. After oligomerization and pore formation, the complex is translocated across the bilayer, probably via the Gly-rich domain of each strand.

Images



Toxin neutralization: Using a rabbit RBC lysis assay, EC₅₀ of ab190467 for neutralization of 0.3 µg/mL of alpha-hemolysin was determined to be 0.676 µg/mL.

Neutralising - Anti-alpha-hemolysin antibody [8B7] -
N-terminal (ab190467)



Western blot - Anti-alpha-hemolysin antibody [8B7] - N-terminal (ab190467)

All lanes : Anti-alpha-hemolysin antibody [8B7] - N-terminal (ab190467) at 1 µg/ml

Lane 1 : alpha-emolysin at 0.1 µg

Lane 2 : Culture supernatant of USA300

Lane 3 : Negative control USA300 delta Hla strain

Predicted band size: 36 kDa

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

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