

***S. aureus* alpha hemolysin (α -Toxin) polyclonal Antibody**

Catalog #: 04-0010

Immunogen: Purified N-terminal domain of *Staphylococcus aureus* alpha hemolysin expressed in *E. coli* (His-tagged).

Description: Rabbit polyclonal reactive to *S. aureus* alpha hemolysin (α -toxin). The antibody detects the antigen produced by *S. aureus* strains in western blot and ELISA and neutralizes the hemolytic activity of the toxin.

Raised in: New Zealand White Rabbits

Purification: Protein A

Clonality: Polyclonal

Buffer: PBS + 0.01% Sodium Azide

Size: 0.5mg

Relevance: The antibody can be used for detection and neutralization of α -toxin produced by virulent strains of *S. aureus*.

Recommended Dilutions:

ELISA: Assay-dependent dilution

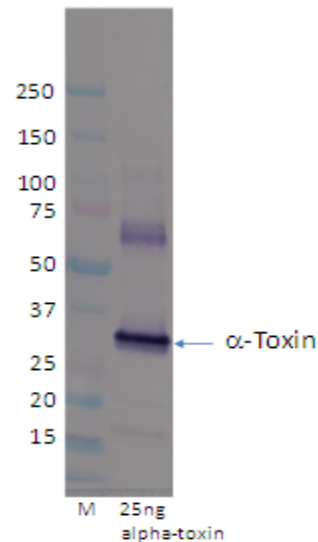
WB: Assay-dependent dilution; if probing against purified protein, at least 25 ng of pure α -toxin can be detected with 1 μ g/ml of the primary antibody combined with a suitable dilution of a secondary anti-rabbit antibody.

Toxin neutralization: using a rabbit RBC lysis assay, IC_{50} of this antibody for neutralization of 1 μ g/ml of α -toxin was determined to be 14 μ g/ml.

IF: Not tested

Storage: 2-3 weeks +4°C, -20°C long term

Cross Reactivity: unknown.

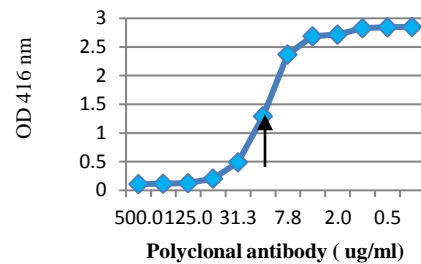


Western Blot analysis of α -toxin

Antigen: Alpha toxin cat# HT101, Lot# 62308AH Toxin Technologies

Primary Antibody: Rabbit anti α - toxin pAbs (1 μ g/ml)

Secondary Antibody: Goat anti rabbit-AP (1:3,000)



Toxin neutralization plot (arrow indicating IC_{50})

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