

Staphylococcus aureus Enterotoxin A + Enterotoxin B antibody [sa-01]

Cat. No. GTX00864

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB, ELISA, Lateral Flow
Reactivity	Staphylococcus aureus

Package
100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:1000
ELISA	Assay dependent
Lateral Flow	Assay dependent

Not tested in other applications.

Product Note

This antibody recognizes Staphylococcus aureus (NBRC15306) and other 5 isolated strains. It does not cross react with Campylobacter jejuni, Salmonella Enteritidis, E. coli (including O157:H7 and K12), Clostridium perfringens, Bacillus cereus, and Vibrio parahaemolyticus. It reacts with enterotoxin A and B of Staphylococcus aureus.

Properties

Form	Liquid
Buffer	Filter-sterilized PBS, 50% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Culture supernatant of Staphylococcus aureus
Purification	Protein A/G purified
Conjugation	Unconjugated



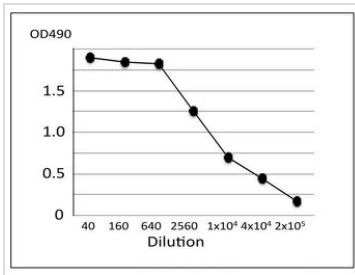
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Note

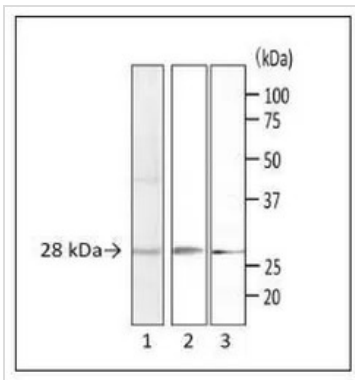
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DATA IMAGES

GTx00864 ELISA Image

ELISA analysis of crude extract of *S. aureus* using GTx00864 Staphylococcus aureus Enterotoxin A + Enterotoxin B antibody [sa-01].

Protein coating amount : 100µl (1 µg/ml) per well

Antibody amount : 100µl at indicated dilution

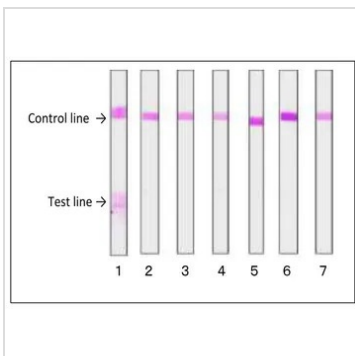

GTx00864 WB Image

WB analysis of various samples using GTx00864 Staphylococcus aureus Enterotoxin A + Enterotoxin B antibody [sa-01]. The molecular masses of enterotoxin A and B are 30 kDa and 29 kDa, respectively.

Lane 1 : Culture medium of *S. aureus*

Lane 2 : Purified *S. aureus* enterotoxin A

Lane 3 : Purified *S. aureus* enterotoxin B


GTx00864 Lateral Flow Image

Reactivity of GTx00864 Staphylococcus aureus Enterotoxin A + Enterotoxin B antibody [sa-01] with various food poisoning bacteria in immunochromatographic strip test. A mouse mono antibody was coated onto a specific area (test line) of a nitrocellulose membrane, while goat anti-mouse IgG was coated onto another specific area (control line) on the same membrane. Extract of each strain of food poisoning bacteria was mixed with the MAb (sa-01) conjugated with colloidal gold. The strip was soaked and reacted with the mixture fluid. (1) *S. aureus*, (2) *Escherichia coli* O157:H7, (3) *E. coli* K12, (4) *Salmonella* Enteritidis, (5) *Campylobacter jejuni*, (6) *Vibrio parahaemolyticus*, (7) PBS. MAb (sa-01) reacted with *S. aureus*, but not with other food poisoning bacteria.

	ELISA	WB
<i>Staphylococcus aureus</i> (NBRC15306)	+	28K
Other 5 isolated strains	+	—
<i>Campylobacter jejuni</i>	—	—
<i>Salmonella enteritidis</i>	—	—
<i>Escherichia coli</i>	—	—
<i>E. coli</i> O157:H7	—	—
<i>Clostridium perfringens</i>	—	—
<i>Bacillus cereus</i>	—	—
<i>S. aureus</i> enterotoxin A (SEA)	+	28K
<i>S. aureus</i> enterotoxin B (SEB)	+	28K
<i>S. aureus</i> enterotoxin (Set A, B, C, D, E)	+	—
Set A, B, C, D, E: positive control	—	—

GTx00864 Image

Reactivity of GTx00864 Staphylococcus aureus Enterotoxin A + Enterotoxin B antibody [sa-01] with various food poisoning bacteria.



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