

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



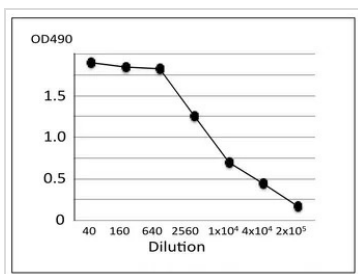
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

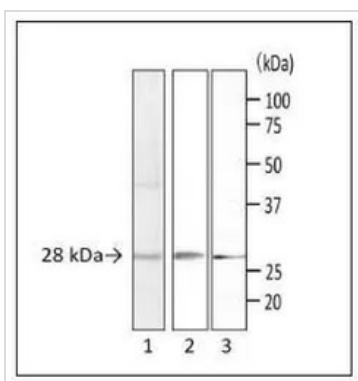


GTX00864 ELISA Image

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



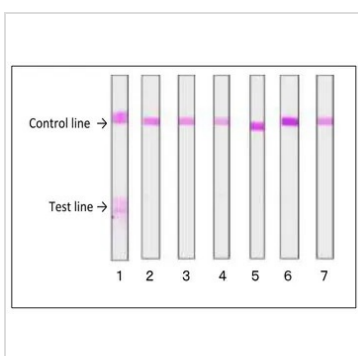
GTX00864 WB Image

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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