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

Cat. No. GTX00864

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Application	WB, ELISA, Lateral Flow
Reactivity	Campylobacter jejuni, E. coli, Staphylococcus aureus, Salmonella Enteritidis

Package
100 µg

APPLICATION

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 It reacts with enterotoxin A and B of Stapylococcus aureus.

PROPERTIES

Form	Liquid
Buffer	Filter-sterilized PBS, 50% Glycerol
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC 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 Stapylococcus aureus
Purification	Protein A/G purified
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. 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.

For full product information, images and publications, please visit our website.

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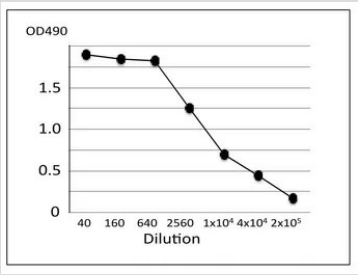
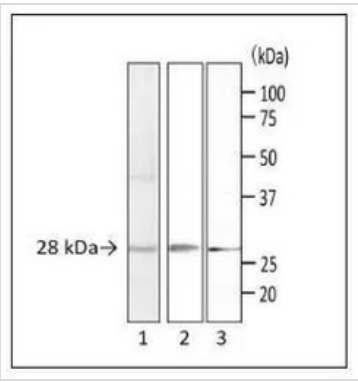
DATA IMAGES



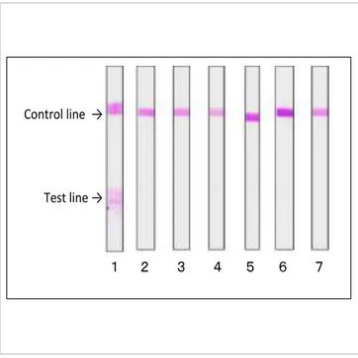
GTX00864 ELISA Image

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



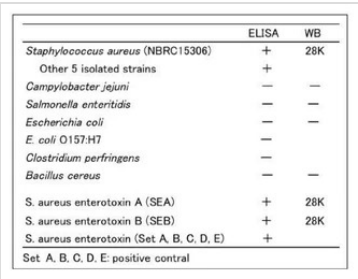
GTX00864 WB Image

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
Staphylococcus aureus (NBRC15306)	+	28K
Other 5 isolated strains	+	
Campylobacter jejuni	–	–
Salmonella enteritidis	–	–
Escherichia coli	–	–
E. coli O157:H7	–	
Clostridium perfringens	–	
Bacillus cereus	–	–
S. aureus enterotoxin A (SEA)	+	28K
S. aureus enterotoxin B (SEB)	+	28K
S. aureus 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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