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Datasheet for ABIN6937000
anti-toxA antibody

Overview

Quantity:	100 µg
Target:	toxA
Reactivity:	Clostridium difficile
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This toxA antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Coating (Coat)

Product Details

Immunogen:	C. difficile Toxin A
Clone:	253-422
Isotype:	IgG1 kappa
Specificity:	<p>This MAb reacts with C. difficile Toxin A, but not with Cholera subunit a, Cholera toxin, Pseudomonas aeruginosa exotoxin A, H-LT, P-LT. Clostridium difficile is a major nosocomial pathogen that causes antibiotic-associated colitis. Clostridium difficile mediates inflammatory diarrhea by releasing two large protein enterotoxins (Toxin A and Toxin B) that are able to disrupt intestinal epithelial cells via their transferase activity and ability to monoglucosylate members of the Rho family. Clostridium difficile Toxin A is a toxin that is composed of 39 repeats that are responsible for binding to intestinal epithelial cell surface carbohydrates. Clostridium difficile Toxin A causes significant apoptosis of colonocytes which contributes to the formation of ulcers and pseudo-membranes in a pathway that involves p38-dependent activation of p53 and induction of p21, leading to cytochrome c release and caspase-3</p>

Product Details

activation through Bak activation.

Purification: Purified by Protein A/G

Target Details

Target: toxA

Alternative Name: Clostridium difficile (Toxin A) ([toxA Products](#))

Molecular Weight: 308kDa (Toxin A)

UniProt: [P16154](#)

Application Details

Application Notes: Positive Control: Clostridium difficile extract or infected cells. Tissue.
Known Application: ELISA (For coating use Ab at 1-5 µg/mL, order Ab without BSA), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Buffer: 10 mM PBS without BSA and without Azide.

Preservative: Azide free

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

Expiry Date: 24 months