Clostridium difficile Toxin A Antibody [clone 253/422] (V8285)

Catalog No.	Formulation	Size
V8285-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8285-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8285SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Clostridium difficile
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	253/422
Purity	Protein G affinity chromatography
UniProt	P16154
Applications	ELISA (order BSA-free Format For Coating) : Immunofluorescence : 1-2ug/ml
Limitations	This Clostridium difficile Toxin A antibody is available for research use only.

Description

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 activation through Bak activation.

Application Notes

Optimal dilution of the Clostridium difficile Toxin A antibody should be determined by the researcher.

Immunogen

C. difficile Toxin A was used as the immunogen for the Clostridium difficile Toxin A antibody.

Storage

Store the Clostridium difficile Toxin A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).