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36-3704: Anti-Clostridium difficile (Toxin A) Monoclonal Antibody(Clone: 253/422)

Clonality :	Monoclonal
Clone Name :	253/422
Application :	ELISA,IF
Uniprot ID :	P16154
Alternative Name :	Clostridium difficile; C. difficile; tcdA; toxA
Isotype :	Mouse IgG1, kappa
Immunogen Information :	C. difficile Toxin A

Description

This MAb reacts with C. difficile Toxin A, but not with Cholera subunit a, Cholera toxin, Pseudomonas aerÂµginosa 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 throÂµgh Bak activation.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating use Ab at 1-5ug/ml, order Ab without BSA);Immunofluorescence (1-2ug/ml);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.