

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

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

#### 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.

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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);