

AM00201PU-N**Monoclonal Antibody to Clostridium difficile Toxin A - Purified**

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| Alternate names: | tcdA, toxA |
| Quantity: | 0.1 mg |
| Concentration: | 0.1 mg/ml |
| Background: | <p><i>Clostridium difficile</i> is a gram-positive motile bacterium which is the leading cause of diarrhoea in developed countries. The incidence of disease in humans varies greatly with age, spore density and the administration of antibiotics.</p> <p>Toxin A (TcdA) is a large exotoxin which is an essential virulence factor for <i>C. difficile</i> infection. TcdA has a molecular weight of 308kD and is a glucosyltransferase, which irreversibly inactivates the Ras family of small GTPases to disrupt many important signalling pathways.</p> |
| Uniprot ID: | P16154 |
| NCBI: | 1496 |
| Host / Isotype: | Mouse / IgG1 |
| Recommended Isotype Controls: | AM03095PU-N |
| Clone: | 5157 |
| Immunogen: | Clostridium difficile toxin A. |
| Format: | State: Liquid purified IgG fraction from Tissue Culture Supernatant Purification: Affinity Chromatography on Protein A Buffer System: PBS, pH 7.2 Preservatives: 0.09% Sodium Azide |
| Applications: | ELISA: 1/20-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | Specific for <i>Clostridium difficile</i> toxin A. No reaction is observed with the following organisms: <i>Clostridium difficile</i> toxin B, tetanus toxoid, <i>Pseudomonas aeruginosa</i> and <i>Yersinia enterocolitica</i> . |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | 1. Voth DE, Ballard JD. Clostridium difficile toxins: mechanism of action and role in disease. Clin Microbiol Rev. 2005 Apr;18(2):247-63. PubMed PMID: 15831824. |