

Datasheet: MCA2597

BATCH NUMBER 150615

Description:	MOUSE ANTI CLOSTRIDIUM DIFFICILE TOXIN A
Specificity:	CLOSTRIDIUM DIFFICILE TOXIN A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5155
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/20 - 1/200
Immunoprecipitation			■	
Western Blotting			■	
Immunofluorescence			■	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 0.1mg/ml
Immunogen	<i>Clostridium difficile</i> toxin A.
External Database Links	UniProt: P16154 Related reagents
Synonyms	tcdA
RRID	AB_808511
Specificity	<p>Mouse anti <i>Clostridium difficile</i> toxin A antibody, clone 5155 recognizes <i>Clostridium difficile</i> toxin A. No reaction is observed with <i>Clostridium difficile</i> toxin B, tetanus toxoid, <i>Pseudomonas aeruginosa</i> and <i>Yersinia enterocolitica</i></p> <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 mass of ~308 kDa and is a glucosyltransferase, which irreversibly inactivates the Ras family of small GTPases to disrupt many important signalling pathways.</p>
References	1. Voth, D.E. & Ballard, J.D. (2005) <i>Clostridium difficile</i> toxins: mechanism of action and role in disease. Clin Microbiol Rev. 18 (2): 247-63.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2597</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
 Goat Anti Mouse IgG (STAR76...) [RPE](#)
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
 Goat Anti Mouse IgG (STAR70...) [FITC](#)
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
 'M367232:200529'

Printed on 12 Aug 2023

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