

Datasheet: 0100-0153

Description:	RABBIT ANTI CLOSTRIDIUM DIFFICILE TOXIN A
Specificity:	CLOSTRIDIUM DIFFICILE TOXIN A
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

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	▪			
Western Blotting			▪	

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 the appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0mg/ml
Immunogen	Synthetic peptide corresponding to the amino acids 2123 - 2132 of the native molecule conjugated to Keyhole limpet Haemocyanin.

Peptide sequence: CTIDGKKYYFN.

External Database Links	UniProt: P16154 Related reagents
Synonyms	tcdA
RRID	AB_619372
Specificity	<p>Rabbit anti <i>Clostridium difficile</i> toxin A antibody recognizes <i>Clostridium difficile</i> toxin A. <i>Clostridium difficile</i> is a gram-positive motile bacterium and 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>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/0100-0153 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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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

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