

## Datasheet: 0100-0153

<b>Description:</b>	RABBIT ANTI CLOSTRIDIUM DIFFICILE TOXIN A
<b>Specificity:</b>	CLOSTRIDIUM DIFFICILE TOXIN A
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

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

Peptide sequence: CTIDGKKYYFN.

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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P16154</a> <a href="#">Related reagents</a>
<b>Synonyms</b>	tcdA
<b>RRID</b>	AB_619372
<b>Specificity</b>	<p><b>Rabbit anti <i>Clostridium difficile</i> toxin A antibody</b> 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>
<b>References</b>	1. Voth, D.E. & Ballard, J.D. (2005) <i>Clostridium difficile</i> toxins: mechanism of action and role in disease. <a href="#">Clin Microbiol Rev. 18 (2): 247-63.</a>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/0100-0153">https://www.bio-rad-antibodies.com/SDS/0100-0153</a> 10040
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...)    [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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