

## 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.abdserotec.com/protocols](http://www.abdserotec.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
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P16154</a> TOXA_CLODI <a href="#">Related reagents</a>
<b>Synonyms</b>	tcdA
<b>Specificity</b>	0100-0153 is specific for <i>Clostridium difficile</i> Toxin A, 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.  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.

<b>References</b>	1. Voth, D. E. and Ballard, J. D. (2005) <i>Clostridium difficile</i> toxins: mechanism of action and role in disease. <a href="#">Clin. Microbiol. Rev.</a> 18: 247-263.
<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet Documentation #10040 available at: <a href="http://www.abdserotec.com/uploads/MSDS/10040.pdf">http://www.abdserotec.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®800</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Sheep Anti Rabbit IgG (STAR54...)	<a href="#">HRP</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>

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