

Datasheet: 0100-0153

BATCH NUMBER 1804

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

Rabbit anti *Clostridium difficile* toxin A antibody recognizes *Clostridium difficile* toxin A. *Clostridium difficile* 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.

Toxin A (TcdA) is a large exotoxin which is an essential virulence factor for *C. difficile* 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.

References

1. Voth, D.E. & Ballard, J.D. (2005) *Clostridium difficile* toxins: mechanism of action and role in disease. [Clin Microbiol Rev. 18 \(2\): 247-63.](#)

Storage

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.

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

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