

CLOSTRIDIUM DIFFICILE GDH

Specificity	Glutamate dehydrogenase, GDH
Host Species	Mouse

**MONOCLONAL ANTIBODIES TO
C. DIFFICILE GDH:**

MAB294P & MAB295P

Application	ELISA
Target Marker	<i>C. difficile</i> infection (CDI) is a major source of hospital-associated diarrhoea and can range from mild to life-threatening. <i>C. difficile</i> glutamate dehydrogenase (GDH) is easily detected in faeces and serves as a first line diagnostic test. If a patient is GDH positive, second line testing for the presence of <i>C. difficile</i> Toxin A & Toxin B is performed.
References	Cheng J-W, Xiao M, Kudinha T, et al. (2015) The Role of Glutamate Dehydrogenase (GDH) Testing Assay in the Diagnosis of <i>Clostridium difficile</i> Infections: A High Sensitive Screening Test and an Essential Step in the Proposed Laboratory Diagnosis Workflow for Developing Countries like China. PLoS ONE 10(12): e0144604. https://doi.org/10.1371/journal.pone.0144604

WHY CHOOSE BBI'S ANTIBODIES?

Maximise your chances of developing a successful *C. difficile* GDH assay:

- + Antibody clones used as a matched pair in commercialised bioMérieux assays – proven performance
- + Manufactured in-house at BBI for security of supply
- + cGMP production and quality management for increased batch-to-batch consistency
- + Suite of reagents for your *C. difficile* assay needs

Order your evaluation sample today www.bbisolutions.com

Characterisation

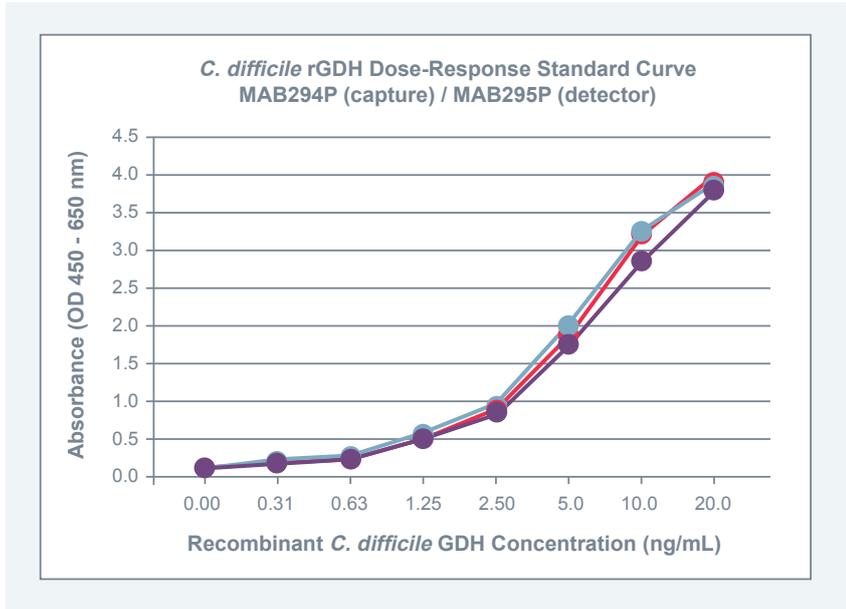


Figure 1: A colourimetric sandwich ELISA demonstrating sensitive detection of *C. difficile* recombinant GDH (rGDH) protein. Data generated using three lots of each antibody demonstrating assay robustness and lot-to-lot reproducibility of the antibody productions.

- Lot 1
- Lot 2
- Lot 3

Use in assays

Clones 9C11B4 and 3D1G11 have been successfully used in commercialised bioMérieux immunoassay products* in which 9C11B4 was the capture antibody and clone 3D1G11 was the detector antibody.

* VIDAS® and/or VIKIA® and/or BIONEXIA®

Pack sizes

1mg, bulk amounts available on request.

ORDERING DETAILS - USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description
<i>Clostridium difficile</i> GDH Monoclonal Antibody	MAB294P (clone 9C11B4)	Use as capture with MAB295P as detector in Sandwich ELISA
<i>Clostridium difficile</i> GDH Monoclonal Antibody	MAB295P (clone 3D1G11)	Use as detector with MAB294P as capture in Sandwich ELISA
<i>Clostridium difficile</i> Toxin B Monoclonal Antibody	BM347-N4A8	Use as capture with BM347-T4G1 as detector in Sandwich ELISA. Also suitable for Lateral Flow and Western Blot
<i>Clostridium difficile</i> Toxin B Monoclonal Antibody	BM347-T4G1	Use as detector with BM347-N4A8 as capture in Sandwich ELISA. Also suitable for Lateral Flow and Western Blot

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