

# C. DIFFICILE TOXIN B MONOCLONAL ANTIBODY

<b>Abbreviations</b>	C. diff Tox B mAb
<b>Synonyms</b>	ToxB mAb   TcdB mAb
<b>Accession Number</b>	P18177
<b>Host</b>	Mouse
<b>Grade</b>	Affinity Purified

## STAR PAIR

We recommend BM347-N4A8 as the Capture antibody with BM347-T4G1 as the Detection antibody

<b>Application</b>	Lateral Flow   Sandwich ELISA   Western Blot
<b>Target Marker</b>	Clostridium difficile Toxin B is a cytotoxin produced by the bacterium <i>Clostridium difficile</i> . Small doses of the toxin disturb signal transduction mechanisms ultimately resulting in cell death.
<b>Target Marker – Occurrence</b>	The gene encoding Toxin B ( <i>tcdB</i> ) is located on the chromosome of <i>C. difficile</i> . Other genes present at the same locus regulate the expression of the protein and release it from the cell.
<b>Target Marker – Function in Disease</b>	Toxin B causes the opening of tight junctions in intestinal epithelial cells resulting in increased vascular permeability and hemorrhaging.

Order your evaluation sample today [www.bbisolutions.com](http://www.bbisolutions.com)

**WHY BBI?**

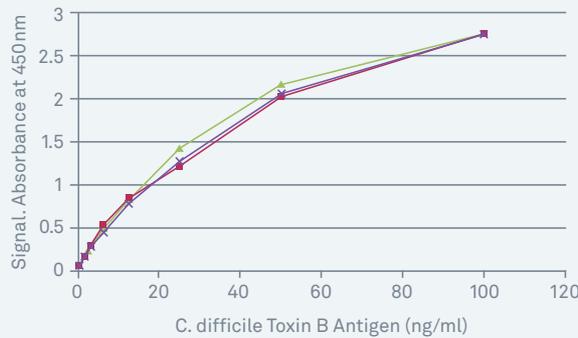
- + Be confident in your **results** when you choose BBI’s monoclonal antibodies for your next assay – Our C. difficile Toxin B antibodies have been tested in Lateral Flow, Sandwich ELISA and Western Blot.
- + **Save time and money** by choosing our recommended pair.

**Characterisation**

**Sandwich ELISA**

Our C. difficile Toxin B antibodies were tested in **Sandwich ELISA** for binding to 0.78-100 ng/ml of purified antigen. A constant dose response was observed with minimal lot to lot variation.

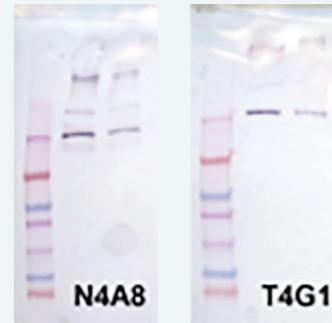
Sandwich ELISA using BM347-N4A8 as the capture antibody with BM347-T4G1 as the detection antibody. Each line represents a different lot of BM347-N4A8.



**Western Blot**

Our C. difficile Toxin B antibodies were shown to bind to purified C. difficile Toxin B by Western Blotting.

Lane 1: Molecular Weight standards  
 Lane 2: C. diff Toxin B antigen at 66 µg/ml  
 Lane 3: C. diff Toxin B antigen at 33 µg/ml



**ORDERING DETAILS – USE THE FOLLOWING CODES WHEN ORDERING**

Product	Code	Description
C. difficile Toxin B mAb	BM347-N4A8	Lateral Flow   Sandwich ELISA   Western Blot Use as capture antibody with BM347-T4G1 as the detection antibody
C. difficile Toxin B mAb	BM347-T4G1	Lateral Flow   Sandwich ELISA   Western Blot Use as detection antibody with BM347-N4A8 as the capture antibody

**Related Products**

Code	Description
P806-1	High purity C. difficile Toxin B antigen
P807-1	High purity C. difficile Toxoid B antigen
BM346-F9C6, BM346-E4B9, P804-1, P805-1	C. difficile Toxin A antibodies and antigens also available

Order a sample today [sales@bbisolutions.com](mailto:sales@bbisolutions.com)

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