

CERTIFICATE OF ANALYSIS MONOCLONAL ANTIBODIES

Toxin B (C. difficile) mouse monoclonal antibody

| | |
|-----------------|--------------------------|
| Code no. | BM347-T4G1 |
| Grade | Affinity Purified |
| Lot no. | |

RECEIVER INFORMATION

| | |
|-----------------------------|--|
| Expiry Date | |
| Storage Temperature | 2-8 °C (up to 1 month) below -15°C (long term) |
| Storage Notes | Avoid repeat freeze thaw cycles |
| Shipping Temperature | 2-8°C |

PRODUCT INFORMATION

| | |
|---------------------------------|--|
| Specificity | Antibody specifically detects Toxin B of C.difficile. |
| Immunogen | Recombinant Toxin B. |
| Source | Ascites of balb/c mouse. |
| BBI Solution's clone no. | T4G1 |
| Application | Lateral Flow, Sandwich ELISA and Western Bolt. Recommended as the detection antibody in Lateral Flow assays. |
| Isotype | IgG |
| Host | Mouse |
| Purification | Protein G |
| Presentation | Single homogenous batch, supplied liquid in a PBS buffer, pH7.2 containing 0.1 % sodium azide. |

HEALTH AND SAFETY

| | |
|--------------------|--|
| Application | For in-vitro use and research or further processing only. |
| Precaution | The product has been labelled T (toxic) under UK regulations: COSHH Sch 1(6) for sodium azide concentration \geq 0.1%. |

ANALYSIS

| TESTS | SPECIFICATIONS | RESULTS |
|-------|----------------|---------|
|-------|----------------|---------|

Determination method:

| | | |
|--|------------------|-------|
| Protein Concentration by Optical Density at 280nm using $E_{1\%,1cm} = 1.38$ | ≥ 0.5 mg/ml | mg/ml |
|--|------------------|-------|

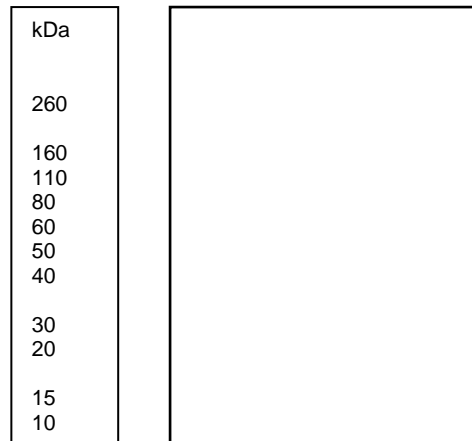
Purity Defined by a major band on coomassie stained SDS-PAGE.

Western Blot Lot: of BM347-T4G1 tested by western blot against C difficile Toxin B (BBI Solutions code P806-1) at a dilution of 1:

Figure 1 Western Blot of monoclonal mouse anti Toxin B against C.difficile toxin B

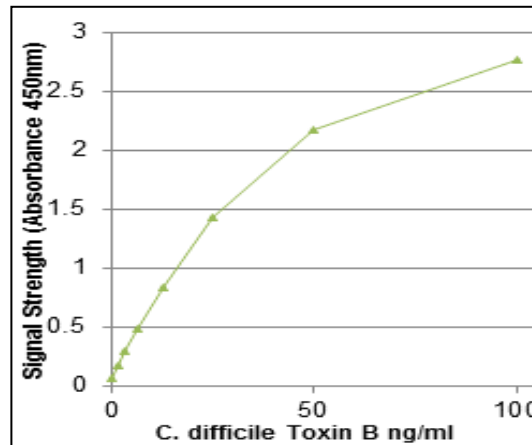
Antibody Dilution = 1:

Lane 1 Standard
 Lane 2 C.difficile Toxin B @ $\mu\text{g/ml}$
 Lane 3 C.difficile Toxin B @ $\mu\text{g/ml}$
 Lane 4 C.difficile Toxin B @ $\mu\text{g/ml}$



Sandwich ELISA.

Sandwich ELISA using BM347-N4A8 as the Capture antibody and a previous lot of BM347-T4G1 as the detection antibody



| | | | |
|----------------|--|------------------|--|
| Name: | | Position: | |
| Signed: | | Date: | |