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Product #758A

CERTIFICATE OF ANALYSIS  
ANTI - *CLOSTRIDIUM DIFFICILE* BINARY TOXIN, B SUBUNIT, IgY  
Lot #7581A1

**Contents**

Each vial contains 0.1 mg of egg derived affinity purified chicken IgY antibody in 100 µl of PBS, pH 7.4 with 0.075% azide. The antibodies were raised against *C. difficile* Binary Toxin B Subunit, Product #158. **Handle product gently. Do not vortex.**

**Concentration**

1mg/ml

**Applications**

**Western Blot** - A 1:10,000 dilution of the antibody was an effective probe for 30 ng of *C. difficile* Binary Toxin, B Subunit, Product #158.

**Direct ELISA** - The antibody titer, measured at the midpoint, was 1:11,000 of a 1.0 mg/ml solution (~90ng/ml) using a 1 µg coating of *C. difficile* Binary Toxin, B Subunit, Product #158.

**Sandwich ELISA** - The biotinylated anti-*C. difficile*, Binary Toxin, B Subunit IgY (Product #759) can be paired with the anti-*C. difficile*, Binary Toxin, B Subunit, IgY (Product #758) in a standard sandwich ELISA. A 1 µg coating of the Product #758 antibody is used as the capture antibody followed by exposure to the antigen, Product #158. The antigen is detected using a 1:1000 – 1:5000 dilution of the biotinylated IgY, Product #759 with a Peroxidase conjugated Neutraavidin™ and a fluorogenic substrate. The midpoint of the binding curve is approximately 70 ng/ml. As low as 1 ng/ml of antigen is readily detected.

**Each laboratory should determine an optimum working titer for use in its particular application.**

**Packaging and Storage**

This product is supplied as a liquid. Store this product at 2-8°C.

**Handling**

Good laboratory technique should be employed in the safe handling of this product. Wear appropriate laboratory attire including a lab coat, gloves and safety glasses.

This product is intended for research purposes by qualified personnel only. It is not intended for use in humans or as a diagnostic agent. List Biological Laboratories, Inc. is not liable for any damages resulting from the misuse or handling of this product.

**FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.**

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