



**LIST BIOLOGICAL
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Product #753A

CERTIFICATE OF ANALYSIS
ANTI - *CLOSTRIDIUM DIFFICILE* TOXIN A, IgY
Lot #7531A2

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 Toxin A from *Clostridium difficile*. **Handle product gently; do not vortex.**

Concentration

1mg/ml

Applications

Western Blot - A 1:2000 dilution of the antibody was an effective probe for 0.5 µg of *C. difficile* Toxin A, Product #152.

Direct ELISA - The titer measured at the midpoint was 1: 23,000 using a 2 µg coating of *C. difficile* Toxin A, Product #152.

Sandwich ELISA - This IgY to *C. difficile* Toxin A can be paired with the goat antisera to *C. difficile* Toxin A, product #752, and used as the capture antibody to detect low levels of the Toxin A antigen (product #152). For example, a 1 µg coating of product #753 followed by exposure to the antigen and a 1:1,000 dilution of the goat antisera gives a midpoint of approximately 40 ng/ml. As low as 1 ng/ml of antigen is readily detected using a standard chromogenic substrate.

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 product at 2-8°C. To ensure recovery of vial contents, centrifuge before opening.

Handling

This product is not known to be hazardous. 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 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.

Production: Tc Date: 10/20/14 Management: NS Date: 10/20/14 QA/QC: GR Date: 10/21/2014