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Product #781

CERTIFICATE OF ANALYSIS  
ANTI-PROTECTIVE ANTIGEN  
from *B. anthracis*, Affinity Purified  
Lot #7811A1

**Contents**

Each vial of affinity purified anti-Protective Antigen IgG (Goat) contains 0.1 mg of the polyclonal antibody in 100  $\mu$ l of PBS, pH 7.4 with 0.05% sodium azide. The 1 mg/ml concentration was determined by absorption at 280 nm using an extinction coefficient of 1.35 for a 0.1% solution.<sup>1</sup>  
**Handle the product gently; do not vortex.**

**Antitoxin Titer**

The midpoint of the dose response curve is 70 ng/ml by ELISA using a 2  $\mu$ g coating of Protective Antigen, Product #171.

**Applications**

Western Blot - A 1:5000 dilution of the antibody detects as low as 60 ng of Protective Antigen, Product #171.

Direct ELISA - A 2  $\mu$ g coating of Protective Antigen, Product #171 can be detected with 5 ng/ml of the affinity purified antibody.

**Each laboratory should determine the optimum working titer for use in each application.**

**Packaging/Storage**

This product is supplied as a liquid. Store 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. 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.**

**Reference**

1. Semenova, V.A., Steward-Clark, E., Stamey, K.L., Taylor Jr., T.H., Schmidt, D.S., Martin, S.K., Marano, N. and Quinn, C.P. (2004), *Clin. Diagn. Lab. Immunol.*, **11**, 919-923.

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