Product Information Sheet for NR-12133

Polyclonal Anti-*Bacillus anthracis* Exosporium Basal Layer Protein BxpB (Locus_Tag: BA_1237), (immunoglobulin G, Rabbit)

Catalog No. NR-12133

This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

Contributor and Manufacturer:

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Product Description:

Antibody Class: IgG
Polyclonal antiserum to exosporium basal layer protein BxpB[1-3] (locus_tag: BA_1237) of *Bacillus anthracis* (*B. anthracis*) was produced in rabbits and purified by protein G affinity chromatography.

Material Provided:

Each vial contains approximately 90 to 100 µg of NR-12133 in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-12133 was packaged aseptically in cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

NR-12133 is specific to the BxpB exosporium basal layer protein from *B. anthracis* by standard Western blot analysis and ELISA. NR-12133 binds to both native and denatured protein.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-*Bacillus anthracis* Exosporium Basal Layer Protein BxpB (Locus_Tag: BA_1237), (immunoglobulin G, Rabbit), NR-12133."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Cybulski, R. J., et al. "Recombinant *Bacillus anthracis* Spore Proteins Enhance Protection of Mice Primed with Suboptimal Amounts of Protective Antigen." Vaccine 26 (2008): 4927-4939. PubMed: 18657585.
2. Steichen, C., et al. "Identification of the Immunodominant Protein and Other Proteins of the *Bacillus anthracis* Exosporium." J. Bacteriol. 185 (2003): 1903-1910. PubMed: 12618454.
3. Steichen, C. T., J. F. Kearny and C. L. Turnbough Jr. "Characterization of the Exosporium Basal Layer Protein BxpB of *Bacillus anthracis*." J. Bacteriol. 187 (2005): 5868-5876. PubMed: 16109927.

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