Product Information Sheet for NR-10436

Polyclonal Anti-*Bacillus anthracis* Spore Coat Protein GerQ (Locus Tag: BA_5641), (immunoglobulin G, Rabbit)

Catalog No. NR-10436

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 the spore coat protein GerQ, also known as YwdL, (locus_tag: BA_5641) from *Bacillus anthracis* (*B. anthracis*) was produced in rabbit and purified by protein G affinity chromatography.

Material Provided:

Each vial contains approximately 100 µg of NR-10436. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-10436 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-10436 is specific to the GerQ protein from *B. anthracis* by standard Western blot analysis and ELISA. NR-10436 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* Spore Coat Protein GerQ (Locus Tag: BA_5641), (immunoglobulin G, Rabbit), NR-10436."

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. Ragkousi, K., et al. "Identification of a New Gene Essential for Germination of *Bacillus subtilis* Spores with Ca^{2+}-Dipicolinate." J. Bacteriol. 185 (2003): 2315-2329. PubMed: 12644503
2. 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.
3. Liu, H., et al. "Formation and Composition of the *Bacillus anthracis* Endospore." J. Bacteriol. 186 (2004): 164-178. PubMed: 14679236.

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