

Product Information Sheet for NR-15473

Monoclonal Anti-Anthrax Edema Factor, Clone P2E3H4 (produced *in vitro*)

Catalog No. NR-15473

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

For research use only. Not for human use.

NR-15473 is being provided without confirmation of functional activity. However, culture supernatant from hybridoma clone P2E3H4 was shown to react with recombinant *Bacillus anthracis* (*B. anthracis*) edema factor (EF) by western blot and ELISA.¹

Hybridoma clone P2E3H4 produces IgG1 and IgG2b. NR-15473 was purified from clone P2E3H4 supernatant and contains both IgG1 and IgG2b.

Please read the Certificate of Analysis carefully to determine whether this product is acceptable for your intended use.

Contributor and Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG1k and IgG2bk

Monoclonal antibody prepared against recombinant edema factor (EF) from *Bacillus anthracis* (*B. anthracis*)¹⁻³ was purified from hybridoma clone P2E3H4 supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/O-Ag14 myeloma cells with splenocytes from BALB/c mice immunized with purified recombinant protein.

Material Provided:

Each vial of NR-15473 contains 80 µg to 120 µg of purified antibody in PBS. The concentration and content are shown on the Certificate of Analysis for each lot.

Packaging/Storage:

NR-15473 was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. NR-15473 should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Anthrax Edema Factor, Clone P2E3H4 (produced *in vitro*), NR-15473."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

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References:

1. Personal communication.
2. Leppla, S. H. "Production and Purification of Anthrax Toxin." Methods Enzymol. 165 (1988): 103-116. PubMed: 3148094.
3. Leppla, S. H. "Purification and Characterization of Adenylyl Cyclase from *Bacillus anthracis*." Methods Enzymol. 195 (1991): 153-168. PubMed: 1903483.
4. Escuyer, V., et al. "Structural Homology between Virulence-Associated Bacterial Adenylate Cyclases." Gene 71 (1988): 293-298. PubMed: 2906312.

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