# Monoclonal Anti-*Bacillus anthracis* Lethal Factor, Clone LF-3H3 (produced *in vitro*)

## Catalog No. NR-12187

## For research use only. Not for human use.

### Contributor:
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### Manufacturer:
BEI Resources

### Product Description:
Antibody Class: IgG1κ
Monoclonal antibody prepared against recombinant lethal factor (rLF) from *Bacillus anthracis* (*B. anthracis*) was purified from hybridoma clone LF-3H3 supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of P3X63-Ag8 BALB/c mouse myeloma cells with splenocytes from female C57BL/6 x BALB/c F1 mice immunized intranasally with purified rLF.[1]

Note: The P3X63-Ag8 myeloma cell line secretes the MOPC21 myeloma protein, a mouse IgG1κ antibody of unknown specificity. Thus, NR-12187 may contain both MOPC21 protein and *B. anthracis* LF-specific antibody of the IgG1κ isotype, as well as inactive hybrid immunoglobulin molecules.

### Material Provided:
Each vial of NR-12187 contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

### Packaging/Storage:
NR-12187 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

### Functional Activity:
**NR-12187 is released without confirmation of functional activity.** Clone LF-3H3 antibody is reported to bind *B. anthracis* LF in ELISA and surface plasmon resonance assays.[1]

### Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Bacillus anthracis* Lethal Factor, Clone LF-3H3 (produced *in vitro*), NR-12187."

### 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. Staats, H. F., et al. "In Vitro and In Vivo Characterization of Anthrax Anti-Protective Antigen and Anti-Lethal Factor Monoclonal Antibodies after Passive Transfer in a Mouse Lethal Toxin Challenge Model To Define Correlates of Immunity." Infect. Immun. 75 (2007): 5443-5452. PubMed: 17709410.

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