

**Monoclonal Anti-*Mycobacterium leprae*
LAM, Clone 906.7 (produced *in vitro*)**

Catalog No. NR-59007

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

For research use only. Not for use in humans.

Contributor and Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG_{3k}

Antibody Designation: 906.7

Monoclonal antibody to *Mycobacterium leprae* lipoarabinomannan (LAM) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes.

Material Provided:

Each vial contains approximately 100 µL of purified monoclonal antibody in phosphate buffered saline (PBS). The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-59007 was packaged aseptically in cryovials 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.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Mycobacterium leprae* LAM, Clone 906.7 (produced *in vitro*), NR-59007."

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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Gaylord, H., et al. "Most *Mycobacterium leprae* Carbohydrate-Reactive Monoclonal Antibodies are Directed to Lipoarabinomannan." *Infect. Immun.* (1987): 2860-2863. PubMed: 3312018.
2. Cole, S. T., et al. "Massive Gene Decay in the Leprosy Bacillus." *Nature* 409 (2001): 1007-1011. PubMed: 11234002.
3. Spencer, J. S., et al. "Analysis of Antibody Responses to *Mycobacterium leprae* Phenolic Glycolipid I, Lipoarabinomannan, and Recombinant Proteins to Define Disease Subtype-Specific Antigenic Profiles in Leprosy." *Clin. Vaccine Immunol.* 18 (2011): 260-267. PubMed: 21177913.

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