Polyclonal Anti-*Mycobacterium leprae* MLMA-LAM (antiserum, Rabbit)

Catalog No. NR-19358

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For research use only. Not for human use.

Contributor:

BEI Resources or NIH – Leprosy Research Support Contract

Manufacturer:

Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado, USA and NIH – Leprosy Research Support Contract

Product Description:

Antibody Designation: anti-MLMA-LAM
Polyclonal antiserum to membrane protein minus lipoarabinomannan (MLMA-LAM) of *Mycobacterium leprae* was produced in rabbits. The LAM was removed from the membrane protein fraction by TX-114 extraction. The antiserum is reported to be active in ELISA and Western Blot assays.

Material Provided:

Each vial contains approximately 250 µL of NR-19358 provided as serum.

Note: Lot rp.ML0050.8.6.03JS was provided as a lyophilized product. Lot rp.MLMA-LAM.01.18.02JS can be reconstituted in sterile distilled water.

Packaging/Storage:

NR-19358 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -80°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: Polyclonal Anti-*Mycobacterium leprae* MLMA-LAM (antiserum, Rabbit), NR-19358."

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. Cole, S. T., et al. "Massive Gene Decay in the Leprosy Bacillus." Nature 409 (2001): 1007-1011. PubMed: 11234002.
2. Weir, R. E., et al. "Use of a Whole Blood Assay to Evaluate *in vitro* T Cell Responses to New Leprosy Skin Test Antigens in Leprosy Patients and Healthy Subjects." Clin. Exp. Immunol. 116 (1999): 263-269. PubMed: 10337017.
3. Brennan, P. J. "Skin Test Development in Leprosy: Progress with First-Generation Skin Test Antigens, and an Approach to the Second Generation." Lepr. Rev. 71 (2000) Suppl S50-4. PubMed: 11201887.
4. 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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