

**Polyclonal Anti-*Mycobacterium tuberculosis* H37Rv Lipoarabinomannan (LAM) (IgG, Rabbit)**

**Catalog No. NR-55636**

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**For research use only. Not for use in humans.**

**Contributor and Manufacturer:**

BEI Resources

**Product Description:**

Polyclonal antibody to *Mycobacterium tuberculosis*, strain H37Rv Lipoarabinomannan (LAM) (BEI Resources NR-14848) was produced in New Zealand white rabbits and purified by protein G affinity chromatography.

Lipoarabinomannan (LAM), also referred to as mannosylated lipoarabinomannan (ManLAM), is derived from the cell wall of irradiated *Mycobacterium tuberculosis*, strain H37Rv. LAM possesses many biological activities including immunogenicity, induction of TNF and the release of other cytokines, and inhibition of antigen processing. The nonreducing termini of H37Rv LAM are extensively capped with mannose.<sup>1,2</sup>

**Material Provided:**

Each vial of NR-55636 contains approximately 100 µL of purified polyclonal antibody in PBS. The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

**Packaging/Storage:**

NR-55636 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.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-*Mycobacterium tuberculosis* H37Rv Lipoarabinomannan (IgG, Rabbit), NR-55636.”

**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. Chatterjee, D., et al. “Lipoarabinomannan. Multiglycosylated Form of the Mycobacterial Mannosylphosphatidylinositols.” *J. Biol. Chem.* 267 (1992): 6228-6233. PubMed: 1556131.
2. Chatterjee, D., et al. “Lipoarabinomannan of *Mycobacterium tuberculosis*. Capping with Mannosyl Residues in Some Strains.” *J. Biol. Chem.* 267 (1992): 6234-6239. PubMed: 1556132.

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