

**ML2028/Ag85B Recombinant Protein from *Mycobacterium leprae***

**Catalog No. NR-19340**

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

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

**Contributor and Manufacturer:**

NIH – Leprosy Research Support Contract

**Product Description:**

NR-19340 is a recombinant form of the antigen 85B protein (ML2028/Ag85B) [also known as fibronectin-binding protein B (FbpB)] from *Mycobacterium leprae*. The recombinant His-tagged protein was expressed in *Escherichia coli*, strain BL21(DE3)pLysS and purified using standard chromatographic techniques followed by endotoxin removal procedures.

**Material Provided:**

Each vial contains approximately 0.5 mg of lyophilized NR-19340 in 10 mM ammonium bicarbonate.

Note: NR-19340 is soluble in 100 mM to 500 mM aqueous buffered salt solutions, such as phosphate buffered saline. A 10 mM ammonium bicarbonate solution can also be used.

**Packaging/Storage:**

NR-19340 was packaged aseptically in screw-cap cryovials. The product is provided frozen on dry ice 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: ML2028/Ag85B Recombinant Protein from *Mycobacterium leprae*, NR-19340."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Lahiri, R., et al. "Development of a Mouse Foot Pad Model for Detection of Sub Clinical Leprosy." Lepr. Rev. 83 (2011): 432-444. PubMed: 22439282.
2. 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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