

Monoclonal Anti-*Mycobacterium leprae* ML0072/SodA, Clone CS-18 (produced *in vitro*)

Catalog No. NR-19847

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Contributor and Manufacturer:

NIH – Leprosy Research Support Contract

Product Description:

Antibody Class: IgG₁

Antibody Designation: CS-18

Monoclonal antibody to *Mycobacterium leprae* superoxide dismutase (ML0072/SodA; also known as 28 kDa protein) was produced in cell culture using a B cell hybridoma generated by the fusion of myeloma cells with immunized mouse splenocytes. The antiserum is reported to be active in Western Blot assays and to cross-react with *Mycobacterium tuberculosis* homologue Rv3846.

Material Provided:

Each vial contains approximately 1 mL of lyophilized NR-19847 cell culture supernatant.

Note: NR-19847 can be reconstituted in sterile distilled water.

Packaging/Storage:

NR-19847 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: Monoclonal Anti-*Mycobacterium leprae* ML0072/SodA, Clone CS-18 (produced *in vitro*), NR-19847.”

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 <http://www.cdc.gov/biosafety/publications/bmbl5/index.htm>.

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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. 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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