

**Monoclonal Anti-*Leishmania mexicana*, Strain M379 (MNYC/BZ/62/M379), Clone M-7 (produced *in vitro*)**

**Catalog No. NR-50148**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Antibody Class: IgG1k  
 Mouse monoclonal antibody prepared against *Leishmania mexicana* (*L. mexicana*), strain M379 (MNYC/BZ/62/M379), clone M-7 was purified from the hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of NS1 (P3-X63/Ag8-NS1) myeloma cells with immunized BALB/c mouse splenocytes. Clone M-7 recognizes *L. mexicana*.<sup>1-3</sup> A low-level cross reactivity was observed with *L. amazonensis* and *L. pifanoi* using radioimmunoassay but not immunofluorescence or western blot.<sup>1</sup>

**Material Provided:**

Each vial contains approximately 100 µL of purified monoclonal antibody in PBS (pH 7.4). The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

**Packaging/Storage:**

NR-50148 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.

**Functional Activity:**

NR-50148 is reported to react with *L. mexicana* membrane proteins and to function in ELISA, radioimmunoassays, and western blot analysis.<sup>1-3</sup>

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Leishmania mexicana*, Strain M379 (MNYC/BZ/62/M379), Clone M-7 (produced *in vitro*), NR-50148."

**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/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. McMahon-Pratt, D., Personal Communication.
2. Grimaldi, Jr., G., et al. "Monoclonal Antibodies for the Identification of New World *Leishmania* Species." Mem. Inst. Oswaldo Cruz 91 (1996): 37-42. PubMed: 8734946.
3. Pratt, D. M., et al. "Subspecies- and Species-Specific Antigens of *Leishmania mexicana* Characterized by Monoclonal Antibodies." J. Immunol. 134 (1985): 1935-1940. PubMed: 2578524.

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