

Monoclonal Anti-*Leishmania braziliensis*, Strain M2903 (MHOM/BR/75/M2903), Clone B-16 (produced *in vitro*)

Catalog No. NR-50149

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 braziliensis* (*L. braziliensis*), strain M2903 (MHOM/BR/75/M2903), clone B-16 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 B-16 recognizes *L. braziliensis*.¹⁻³

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-50149 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-50149 is reported to react with *L. braziliensis* membrane proteins and to function in ELISA, radioimmunoassays, and western blot analysis.¹⁻³

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Leishmania braziliensis*, Strain M2903 (MHOM/BR/75/M2903), Clone B-16 (produced *in vitro*), NR-50149."

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.

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References:

1. McMahon-Pratt, D., Personal Communication.
2. McMahon-Pratt, D., E. Bennett and J. R. David. "Monoclonal Antibodies that Distinguish Subspecies of *Leishmania braziliensis*." J. Immunol. 129 (1982): 926-927. PubMed: 7108210.
3. 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.

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