

# Monoclonal Anti-*Leishmania guyanensis*, Strain M4147 (MHOM/BR/75/M4147), Clone B-19 (produced *in vitro*)

**Catalog No. NR-50150**

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

## Contributor:

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## Manufacturer:

BEI Resources

## Product Description:

Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against *Leishmania guyanensis* (*L. guyanensis*), strain M4147 (MHOM/BR/75/M4147), clone B-19 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-19 recognizes *L. guyanensis*.<sup>1-3</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-50150 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-50150 is reported to react with *L. guyanensis* 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 guyanensis*, Strain M4147 (MHOM/BR/75/M4147), Clone B-19 (produced *in vitro*), NR-50150."

## 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:

- McMahon-Pratt, D., Personal Communication.
- 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.
- Grimaldi, Jr., G. and D. McMahon-Pratt. "Monoclonal Antibodies for the Identification of New World *Leishmania* Species." *Mem. Inst. Oswaldo Cruz* 91 (1996): 37-42. PubMed: 8734946.

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