

**Monoclonal Anti-*Leishmania panamensis*/
Leishmania braziliensis, Strain WR120
(MHOM/PA/74/WR120), Clone B-5
(produced *in vitro*)**

Catalog No. NR-50147

For research use only. Not for human use.

Contributor:

Diane McMahon-Pratt, Ph.D., Professor, Department of Epidemiology of Microbial Diseases, Yale School of Public Health, Yale University, New Haven, Connecticut, USA

Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG1κ

Mouse monoclonal antibody prepared against *Leishmania panamensis* (*L. panamaensis*)/*Leishmania braziliensis* (*L. braziliensis*), strain WR120 (MHOM/PA/74/WR120), clone B-5 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-5 recognizes *L. panamensis* and *L. braziliensis*.^{1,2}

Strain WR120 belongs to the *Viannia* subgenus of *Leishmania* and has been variously referred to in the literature as *L. braziliensis panamensis*, *L. panamensis* and *L. (V) panamensis*.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-50147 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-50147 is reported to react with *L. panamensis* and *L. braziliensis* membrane proteins and to function in ELISA, radioimmunoassays, and western blot analysis.^{1,2}

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Leishmania panamensis*/*Leishmania braziliensis*, Strain WR120 (MHOM/PA/74/WR120), Clone B-5 (produced *in vitro*), NR-50147."

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.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

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.
- McMahon-Pratt, D., et al. "Loss of the GP46/M-2 Surface Membrane Glycoprotein Gene Family in the *Leishmania braziliensis* Complex." Mol. Biochem. Parasitol. 50 (1992): 151-160. PubMed: 1542309.

ATCC® is a trademark of the American Type Culture Collection.

