

**Monoclonal Anti-*Leishmania pifanoi*, Strain LtRod-CI-A3 (MHOM/VE/60/LtRod-CI-A3), Clone P-4 (produced *in vitro*)**

**Catalog No. NR-50156**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Antibody Class: IgG1κ

Mouse monoclonal antibody prepared against *Leishmania pifanoi* (*L. pifanoi*), strain LtRod-CI-A3 (MHOM/VE/60/LtRod-CI-A3) 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.<sup>1</sup> The antibody recognizes the endoplasmic reticulum-associated nuclease of *L. pifanoi*.<sup>1,2</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-50156 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-50156 is reported to react with *L. pifanoi*, *L. amazonensis* and *L. mexicana* amastigotes and to function in ELISA, radioimmunoassay, immunoprecipitation and immunofluorescence analysis.<sup>1,3</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Leishmania pifanoi*, Strain LtRod-CI-A3 (MHOM/VE/60/LtRod-CI-A3), Clone P-4 (produced *in vitro*), NR-50156.”

**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. Kar, S., et al. “The Immunologically Protective P-4 Antigen of *Leishmania* amastigotes. A Developmentally Regulated Single Strand-Specific Nuclease Associated with the Endoplasmic Reticulum.” *J. Biol. Chem.* 275 (2000): 37789-37797. Pubmed: 10969068.
3. Pan, A.A. and D. McMahon-Pratt. “Monoclonal Antibodies Specific for the Amastigote Stage of *Leishmania pifanoi*. I. Characterization of Antigens Associated with Stage- and Species-Specific Determinants.” *J Immunol.* 140 (1988): 2406-2414. Pubmed: 2450920.

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