

Monoclonal Anti-*Leishmania pifanoi*, Strain LtRod-CI-A3 (MHOM/VE/60/LtRod-CI-A3), Clone P-8 (produced *in vitro*)

Catalog No. NR-50157

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 A 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.¹ The antibody recognizes P-8 proteoglycolipid complex localized on the surface of *L. pifanoi* amastigotes.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-50157 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-50157 is reported to react with *L. pifanoi*, *L. amazonensis*, *L. mexicana*, *L. donovani* and *L. infantum* amastigotes and to function in ELISA, radioimmunoassay, immunofluorescence and western blot analysis.¹

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-8 (produced *in vitro*), NR-50157."

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.

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References:

- McMahon-Pratt, D., Personal Communication.
- 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.
- Whitaker, S.M., et al. "*Leishmania pifanoi* Proteoglycolipid Complex P8 Induces Macrophage Cytokine Production through Toll-Like Receptor 4." *Infect Immun*. 76 (2008): 2149-2156. Pubmed: 18299340.

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