

**Monoclonal Anti-*Leishmania amazonensis*,
Strain LTB0016 (MHOM/BR/77/LTB0016),
Clone FLAG-1/F-4 (produced *in vitro*)**

Catalog No. NR-50154

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 amazonensis* (*L. amazonensis*), strain LTB0016 (MHOM/BR/77/LTB0016), clone FLAG-1/F-4 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 FLAG-1/F-4 recognizes the *L. amazonensis* flagella protein FLAG1.¹

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-50154 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-50154 is reported to react with *L. amazonensis* membrane protein 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 amazonensis*, Strain LTB0016 (MHOM/BR/77/LTB0016), Clone FLAG-1/F-4 (produced *in vitro*), NR-50154."

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. Ismach, R., et al. "Flagellar Membrane and Paraxial Rod Proteins of *Leishmania*: Characterization Employing Monoclonal Antibodies." *J. Protozool.* 36 (1989): 617-624. PubMed: 2689639.
3. Warburg, A., R. B. Tesh and D. McMahon-Pratt. "Studies on the Attachment of *Leishmania* Flagella to Sand Fly Midgut Epithelium." *J. Protozool.* 36 (1989): 613-617. PubMed: 2689638.

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