

**Monoclonal Anti-*Leishmania donovani*/
Leishmania infantum/*Leishmania chagasi*,
Strain Edmael (MHOM/BR/00/Edmael),
Clone D2 (produced *in vitro*)**

Catalog No. NR-50153

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 donovani*/*Leishmania infantum*/*Leishmania chagasi*, strain Edmael (MHOM/BR/00/Edmael), clone D2 was purified from the hybridoma supernatant by protein G affinity chromatography.^{1,2} The B cell hybridoma was generated by the fusion of NS1 (P3-X63/Ag8-NS1) myeloma cells with immunized BALB/c mouse splenocytes.^{1,2}

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-50153 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-50153 is reported to react with *L. donovani* membrane protein and to function in ELISA, radioimmunoassays and western blot analysis.¹⁻⁴

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Leishmania donovani*/*Leishmania infantum*/*Leishmania chagasi*, Strain Edmael (MHOM/BR/00/Edmael), Clone D2 (produced *in vitro*), NR-50153."

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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2. Jaffe, C. L., et al. "Production and Characterization of Species-Specific Monoclonal Antibodies against *Leishmania donovani* for Immunodiagnosis." J. Immunol. 133 (1984): 440-447. PubMed: 6373932.
3. Jaffe, C. L. and D. McMahon-Pratt. "Serodiagnostic Assay for Visceral Leishmaniasis Employing Monoclonal Antibodies." Am. J. Trop. Med. Hyg. 81 (1987): 587-594. PubMed: 3445339.
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Distribution, and Pathogenicity of Serodemes of *Leishmania viannia* in Colombia." Am. J. Trop. Med. Hyg. 66 (2002): 738-744. PubMed: 12224583.

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