

Monoclonal Anti-*Leishmania braziliensis*, Strain M5052 (MHOM/PE/76/SL2) (produced *in vitro*)

Catalog No. NR-50155

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG2bk
 Mouse monoclonal antibody prepared against *Leishmania braziliensis* (*L. braziliensis*), strain M5052 (MHOM/PE/76/SL2) was purified from the hybridoma supernatant by protein G affinity chromatography.¹ 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} The antibody recognizes *L. braziliensis* and *L. panamensis* amastigotes and metacyclic promastigotes.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-50155 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-50155 is reported to react with *L. braziliensis* and *L. panamensis* amastigotes and metacyclic promastigotes and to function in ELISA, radioimmunoassays, immunoprecipitation, 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 braziliensis*, Strain M5052 (MHOM/PE/76/SL2) (produced *in vitro*), NR-50155."

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. 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.
3. 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.

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