

Monoclonal Anti-*Babesia microti* Surface Antigen 1 (BmSA1), Clone RD167 (produced *in vitro*)

Catalog No. NR-53740

For research use only. Not for use in humans.

Contributor:

Paul M. Arnaboldi, Ph.D., Senior Research Scientist, Biopeptides, Corp., East Setauket, New York, USA and Dana G. Mordue, Ph.D., Associate Professor, Department of Microbiology and Immunology, New York Medical College, Valhalla, New York, USA

Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG3k
 Monoclonal antibody prepared against the surface antigen 1 (BmSA1) of *Babesia microti* was purified from the supernatant of clone RD167 hybridoma, adapted to serum-free media, by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of mouse myeloma cells with splenocytes from immunized mice.

Material Provided:

Each vial of NR-53740 contains approximately 100 µL of purified monoclonal antibody in phosphate buffered saline (PBS). The concentration, expressed as milligrams per milliliter, is shown on the Certificate of Analysis.

Packaging/Storage:

NR-53740 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Babesia microti* Surface Antigen 1 (BmSA1), Clone RD167 (produced *in vitro*), NR-53740.”

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](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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NR-53740 may not be used as part of a diagnostic assay for the detection of *Babesia microti*, *Babesia duncani*, or any other species of *Babesia* that causes babesiosis in humans or animals without written permission from Biopeptides, Corp. New York Medical College and Biopeptides, Corp. have rights to this material.

References:

1. Arnaboldi, P. M. and D. G. Mordue, Personal Communication.
2. Luo, Y., et al. “Identification and Characterization of a Novel Secreted Antigen 1 of *Babesia microti* and Evaluation of Its Potential Use in Enzyme-Linked Immunosorbent Assay and Immunochromatographic Test.” [Parasitol. Int.](#) 60 (2011): 119-125. PubMed: 21070864.
3. Thekinnath, J., et al. “BmGPAC, an Antigen Capture Assay for Detection of Active *Babesia microti* Infection.” [J. Clin. Microbiol.](#) 56 (2018): e00067-18. PubMed: 30093394.

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