

**Monoclonal Anti-Toxoplasma gondii
Micronemal Protein, Clone T3 4A11
(produced *in vitro*)**

Catalog No. NR-50254

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 the micronemal protein (MIC2) of *Toxoplasma gondii* (*T. gondii*) clone T3 4A11 was purified from the hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of SP2/0 myeloma cells with immunized BALB/c mouse splenocytes. MIC2 is conserved in apicomplexans and involved in the first steps of invasion of the host cells.²

Material Provided:

Each vial of NR-50254 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-50254 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-50254 is reported to react with MIC2, and to function in immunofluorescence and immunoblot assays.¹

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Toxoplasma gondii Micronemal Protein, Clone T3 4A11 (produced *in vitro*), NR-50254."

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:

1. Achbarou, A. et al. "Characterization of Microneme Proteins of *Toxoplasma gondii*." Mol. Biochem. Parasitol. 47 (1991): 223-233. PubMed: 1944419.
2. Brossier, F. and L. D. Sibley. "*Toxoplasma gondii*: Microneme Protein MIC2." Int J Biochem Cell Biol. 37 (2005): 2266-2272. PubMed: 16084754.

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