

**Monoclonal Anti-*Toxoplasma gondii* MIC1 Protein, Clone T10 1F7 (produced *in vitro*)**

**Catalog No. NR-50275**

**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 microneme (MIC) protein 1 of *Toxoplasma gondii* (*T. gondii*), clone T10 1F7 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. Clone T10 1F7 recognizes the MIC1 protein, a soluble protein involved in host cell invasion and virulence.<sup>1-4</sup>

**Material Provided:**

Each vial of NR-50275 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-50275 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-50275 is reported to react with MIC1 protein and to function in immunofluorescence and immunoblot assays.<sup>3</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Toxoplasma gondii* MIC1 Protein, Clone T10 1F7 (produced *in vitro*), NR-50275.”

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Dubremetz, J. F., Personal Communication.
2. Achbarou, A. et al. “Characterization of Microneme Proteins in *Toxoplasma gondii*.” Mol. Biochem. Parasitol. 47 (1991): 223-233. PubMed: 1944419.
3. Reiss, M., et al. “Identification and Characterization of an Escorter for Two Secretary Adhesins in *Toxoplasma gondii*.” J. Cell Biol. 152 (2001): 563-578. Pubmed: 11157983.
4. Cerede, O., et al. “Synergistic Role of Micronemal Proteins in *Toxoplasma gondii* Virulence.” J. Exp. Med. 201 (2005): 453-463. Pubmed: 15684324.

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