

**Monoclonal Anti-*Toxoplasma gondii* Surface Antigen 4 Protein, Clone T8 3B1 (produced *in vitro*)**

**Catalog No. NR-50271**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Antibody Class: IgMk

Mouse monoclonal antibody prepared against the surface antigen 4 (SAG4) protein of *Toxoplasma gondii*, clone T8 3B1 was purified from the hybridoma supernatant by thiophilic affinity chromatography. The B cell hybridoma was generated by the fusion of SP2/0 myeloma cells with immunized BALB/c mouse splenocytes. Clone T8 3B1 recognizes the bradyzoite-specific surface protein SAG4.<sup>1-3</sup>

**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-50271 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-50271 is functional in SDS-PAGE, Western blot analysis and immunofluorescence assays.<sup>2</sup>

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Toxoplasma gondii* Surface Antigen 4 Protein, Clone T8 3B1 (produced *in vitro*), NR-50271."

**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. Tomavo, S., et al. "Characterization of Bradyzoite Specific Antigens of *Toxoplasma gondii*." Infect. Immun. 59 (1991): 3750-3753. PubMed: 1894373.
3. Ödberg-Ferragut, C., et al. "Molecular Cloning of *Toxoplasma gondii* Gene Encoding an 18 kDa Bradyzoite Specific Surface Protein." Mol. Biochem. Parasitol. 82 (1996): 237-244. PubMed: 8946389.

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