

Monoclonal Anti-*Toxoplasma gondii* Bradyzoite-Specific Protein P34, Clone T8 2C2 (produced *in vitro*)

Catalog No. NR-50270

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG1k

Mouse monoclonal antibody prepared against the bradyzoite-specific protein P34 of *Toxoplasma gondii* clone T8 2C2 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 T8 2C2 recognizes the P34 protein.^{1,2} P34 (~ 34 kDa) is one of four bradyzoite-specific proteins that are expressed during tachyzoite-bradyzoite interconversion.²

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-50270 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-50270 is functional in immunofluorescence and immunoblot assays.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Toxoplasma gondii* Bradyzoite-Specific Protein P34, Clone T8 2C2 (produced *in vitro*), NR-50270."

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. Dubremetz, J. F., Personal Communication.
2. Soete, M., et al. "*Toxoplasma gondii*: Kinetics of Bradyzoite-Tachyzoite Interconversion *in vitro*." [Exp. Parasitol.](#) 76 (1993): 259-264. PubMed: 7684705.

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