

**Monoclonal Anti-Toxoplasma gondii
Bradyzoite-Specific Protein P21, Clone
T8 4G10 (produced *in vitro*)**

Catalog No. NR-50273

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG2bk
Mouse monoclonal antibody prepared against the bradyzoite-specific protein P21 of *Toxoplasma gondii* clone T8 4G10 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 4G10 recognizes the P21 protein.¹ P21 (~ 21 kDa) is one of four bradyzoite-specific proteins that are expressed during tachyzoite-bradyzoite conversion.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-50273 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-50273 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 P21, Clone T8 4G10 (produced *in vitro*), NR-50273."

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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