

**Monoclonal Anti-Toxoplasma gondii
Glycosylphosphatidylinositol Anchor,
Clone T5 4E10 (ascites, Mouse)**

Catalog No. NR-50267

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgMk

Mouse monoclonal antibody prepared against the glycosylphosphatidylinositol (GPI) anchor of *Toxoplasma gondii* (*T. gondii*), clone T5 4E10 was purified from mouse ascites fluid by mannan binding protein or protein G affinity chromatography. Ascites formation was induced by injecting cultured hybridoma clone T5 4E10 cells into the peritoneal cavities of pristane-primed mice. The B cell hybridoma was generated by the fusion of SP2/0 myeloma cells with immunized BALB/c mouse splenocytes. Clone T5 4E10 recognizes the N-acetylgalactosamine (GalNAc)-containing side branch of *T. gondii* GPI anchor.^{1,2,3}

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-50267 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-50267 is reported to react with GalNAc-containing peptides and to function in immunoprecipitation, immunofluorescence and immunoblot assays.^{1,2,3}

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Toxoplasma gondii Glycosylphosphatidylinositol Anchor, Clone T5 4E10 (ascites, Mouse), NR-50267."

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](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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References:

1. Tomavo, S., et al. "Immunolocalization and Characterization of the Low Molecular Weight Antigen (4-5 kDa) of *Toxoplasma gondii* that Elicits an Early IgM Response upon Primary Infection." [Parasitology](#) 108 (1994): 139-145. PubMed: 7512710.
2. Azzouz, N., et al. "*Toxoplasma gondii* Grown in Human Cells Uses GalNAc-Containing Glycosylphosphatidylinositol Precursors to Anchor Surface Antigens while the Immunogenic Glc-GalNAc-Containing Precursors Remain Free at the Parasite Cell Surface." [Int. J. Biochem. Cell Biol.](#) 38 (2006): 1914-1925. PubMed: 16822699.
3. Couvreur, G., et al. "Surface Antigens of *Toxoplasma gondii*." [Parasitology](#) 97 (1988): 1-10. PubMed: 3174230.

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