

**Monoclonal Anti-Toxoplasma gondii
Glycosylphosphatidylinositol Anchor,
Clone T3 3F12 (produced *in vitro*)**

Catalog No. NR-50253

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG3k
Mouse monoclonal antibody prepared against the glycosylphosphatidylinositol (GPI) anchor of *Toxoplasma gondii* (*T. gondii*) clone T3 3F12 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 T3 3F12 recognizes the GalNAc-containing side branch of *T. gondii* GPI anchor.¹⁻³

Material Provided:

Each vial of NR-50253 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-50253 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-50253 is reported to react with GalNAc-containing GPI-peptides, and to function in immunofluorescence and immunoblot assays.¹⁻³

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Toxoplasma gondii Glycosylphosphatidylinositol Anchor, Clone T3 3F12 (produced *in vitro*), NR-50253."

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.

Disclaimers:

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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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