

Monoclonal Anti-*Toxoplasma gondii* Rhopty Neck Protein RON9, Clone T5 2A7 (produced *in vitro*)

Catalog No. NR-50263

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG1 and IgG3k

Mouse monoclonal antibody prepared against the rhopty neck (RON) protein RON9 of *Toxoplasma gondii* (*T. gondii*) clone T5 2A7 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 T5 2A7 recognizes the RON9 protein.¹

Material Provided:

Each vial of NR-50263 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-50263 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-50263 is reported to react with RON9, and to function in immunofluorescence and immunoblot assays.²

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Toxoplasma gondii* Rhopty Neck Protein RON9, Clone T5 2A7 (produced *in vitro*), NR-50263.”

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.

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References:

1. Dubremetz, J. F., Personal Communication.
2. Lamarque, M.H., et al. “Identification of a New Rhopty Neck Complex RON9/RON10 in the Apicomplexa Parasite *Toxoplasma gondii*.” PLoS ONE 7 (2012): e32457. Pubmed: 22427839.

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