

**Monoclonal Anti-*Plasmodium* Apical Membrane Antigen 1, Clone 28G2 (produced *in vitro*)**

**Catalog No. MRA-897A**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Antibody Class: IgG2a

Rat monoclonal antibody prepared against the Apical Membrane Antigen 1 (AMA-1) from *Plasmodium falciparum* (*P. falciparum*) was purified from clone 28G2 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of rat Y3-Ag 1.2.3 myeloma cells with splenocytes from a LOU/M rat immunized with a synthetic peptide representing a conserved C-terminal region of *P. falciparum* PF83/AMA-1.<sup>1,2</sup>

**Material Provided:**

Each vial contains approximately 100 µL of purified monoclonal antibody in PBS. The concentration, expressed as milligrams per milliliter, is shown on the Certificate of Analysis.

**Packaging/Storage:**

MRA-897A was packaged aseptically in screw-capped plastic cryovials 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:**

MRA-897A is reported to react with AMA-1 of all known *Plasmodium* species, and to function in immunofluorescence and immunoprecipitation assays and ELISA.<sup>1,2</sup>

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Plasmodium* Apical Membrane Antigen 1, Clone 28G2 (produced *in vitro*), MRA-897A, contributed by Alan W. Thomas."

**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](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Thomas, A. W., Personal Communication.
2. Narum, D. L. and A. W. Thomas. "Differential Localization of Full-Length and Processed Forms of PF83/AMA-1 an Apical Membrane Antigen of *Plasmodium falciparum* Merozoites." Mol. Biochem. Parasitol. 67 (1994): 59-68. PubMed: 7838184.

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