

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

Catalog No. MRA-897A

This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Antibody Class: IgG2ak

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.^{1,2}

Material Provided:

Each vial of MRA-897A contains approximately 150 µL of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

MRA-897A 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:

MRA-897A is reported to react with AMA-1 of all known *Plasmodium* species, and to function in immunofluorescence and immunoprecipitation assays and ELISA.^{1,2}

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. 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. 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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