

**Monoclonal Antibody N3-2D9 Anti-*Plasmodium falciparum* Apical Membrane Antigen 1 (AMA1) (produced *in vitro*)**

**Catalog No. MRA-479A**

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: IgG1

Monoclonal antibody prepared against the apical membrane antigen 1 (AMA1) of *Plasmodium falciparum* (*P. falciparum*) was purified from supernatants obtained from mouse N3-2D9 hybridoma.<sup>1</sup> The N3-2D9 monoclonal antibody is specific for the AMA1 of *P. falciparum*.<sup>1</sup>

**Material Provided:**

Each vial contains approximately 250 µL of purified monoclonal antibody in PBS, pH 7.2. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

**Packaging/Storage:**

MRA-479A 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:**

Monoclonal antibody N3-2D9 is reported to function in western blot and immunofluorescence assays, and have a < 30% growth inhibitory effect on *P. falciparum*, strain FVO.<sup>1</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Antibody N3-2D9 Anti-*Plasmodium falciparum* Apical Membrane Antigen (AMA1) (produced *in vitro*), MRA-479A, contributed by Carole A. Long.”

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Long, C. A., Personal Communication

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