Monoclonal Anti-*Plasmodium falciparum* Apical Membrane Antigen 1 (AMA1), Clone N3-1D7 (produced *in vitro*)

Catalog No. MRA-480A

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: IgG2aκ
Monoclonal antibody prepared against the apical membrane antigen 1 (AMA1) of *Plasmodium falciparum (P. falciparum)* was purified from supernatants obtained from mouse N3-1D7 hybridoma.[1] The N3-1D7 monoclonal antibody is specific for AMA1 of *P. falciparum*.[1]

Material Provided:

Each vial contains approximately 100 µL (lot 70026315) or 250 µL (lot 3361175) of purified monoclonal antibody in PBS. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

This product 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:

Monoclonal antibody N3-1D7 is reported to function in western blot and immunofluorescence assays. The antibody is not growth inhibitory on *P. falciparum* parasites.[1]

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-*Plasmodium falciparum* Apical Membrane Antigen 1 (AMA1), Clone N3-1D7 (produced *in vitro*), MRA-480A, 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.

Disclaimers:

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References:

1. Long, C. A., Personal Communication.
2. Maskus, D. J., et al. "Characterization of a Novel Inhibitory Human Monoclonal Antibody Directed Against *Plasmodium falciparum* Apical Membrane Antigen 1." Sci. Rep. 6 (2016): 39462. PubMed: 28000709.

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