

Product Information Sheet for MRA-481A

Monoclonal Anti-*Plasmodium falciparum* Apical Membrane Antigen 1 (AMA1), Clone N4-1F6 (produced *in vitro*)

Catalog No. MRA-481A

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

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Clone: N4-1F6

Antibody Class: IgG2ak

Monoclonal antibody prepared against the apical membrane antigen 1 (AMA1) of *Plasmodium falciparum* (*P. falciparum*) was purified from supernatants obtained from mouse N4-1F6 hybridoma using protein G affinity chromatography.¹ The N4-1F6 monoclonal antibody is specific for the AMA1 of *P. falciparum*.¹

Material Provided:

Each vial of MRA-481A contains approximately 100µL of purified monoclonal antibody in phosphate-buffered saline (PBS). The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

Packaging/Storage:

MRA-481A was packaged aseptically in 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-481A is reported to function in western blot and immunofluorescence assays and have a 70% growth inhibitory effect on FVO and 3D7 strains of *P. falciparum*.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 N4-1F6 (produced *in vitro*) MRA-481A, 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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

Disclaimers:

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References:

1. Long, C. A., Personal Communication.

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