

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

Catalog No. MRA-479A

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

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.

Lot: 3361174

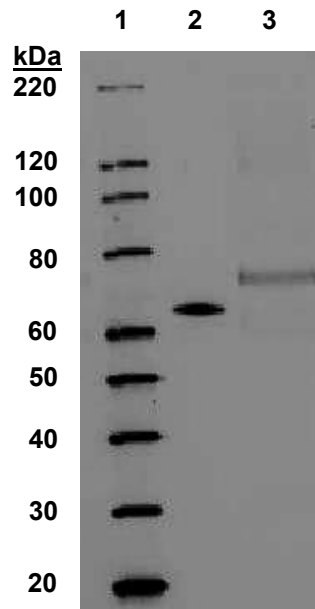
Manufacturing Date: 07AUG2003

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg per mL	1 mg per mL
Functional Activity		
Western blot analysis with <i>P. falciparum</i> 3D7 crude extract or recombinant AMA1 protein ¹	Reactive	Reactive (Figure 1)
Immunofluorescence assay with <i>P. falciparum</i> schizont stage ²	Reactive	Reactive; fluorescence observed

¹Using a 1:250 dilution of MRA-479A as primary antibody and a 1:500 dilution of goat anti-mouse IgG HRP conjugate as secondary antibody, with an ECL™ Prime detection kit (GE Healthcare)

²Specific labeling of *P. falciparum* smears with MRA-479A was observed following paraformaldehyde fixation.

Figure 1: Western Blot Analysis



Lane 1: MagicMark™ XP Western Protein Standard (Invitrogen™)
 Lane 2: Recombinant AMA1 L32 Protein (NIAID)
 Lane 3: *P. falciparum* 3D7 (BEI Resources MRA-102), crude mixed blood stage protein extract

/Heather Couch/

Heather Couch

13 JAN 2021

Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

