

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.

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.

Lot¹: 3361174

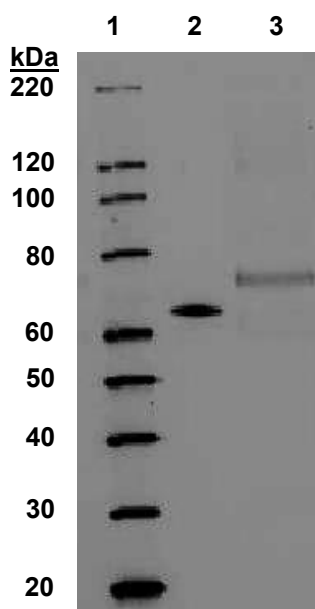
Manufacturing Date: 07AUG2003

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1	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 Immunofluorescence assay with <i>P. falciparum</i> schizont stage ²	Reactive Reactive	Reactive (Figure 1) 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/

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