

Certificate of Analysis for MRA-183A

Monoclonal Antibody 2A10 Anti-Plasmodium falciparum Circumsporozoite Protein (CSP) (produced in vitro)

Catalog No. MRA-183A

Product Description: Antibody Class: IgG2ak

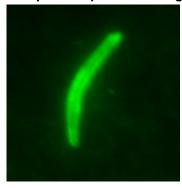
Monoclonal antibody prepared against the circumsporozoite (CS) protein of *Plasmodium falciparum* (*P. falciparum*) was purified from supernatants obtained from mouse 2A10 hybridoma.

Lot: 61715088 Manufacturing Date: 18AUG2013

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG2ак	lgG2aк
Experion Pro260 Analysis	Correct molecular weight for heavy and light chains Report results	Correct molecular weight for heavy and light chains 99.2% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg per mL	0.9 mg per mL
Functional Activity ELISA analysis using CS capture antigen from P. falciparum Sporozoite ELISA Reagent Kit (BEI Resources MRA-890)	Reactive	Reactive
Immunofluorescence assay with <i>P. falciparum</i> sporozoite stage ¹	Reactive	Reactive; immunostaining of sporozoite stage surface (Figure 1)

Specific labeling of *P. falciparum* smears with MRA-183A (1:100 dilution) and FITC-conjugated secondary antibody (1:500 dilution) was observed following paraformaldehyde fixation.

Figure 1: Immunofluorescence Assay of P. falciparum Sporozoite Stage



/Heather Couch/ Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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