

**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	IgG2ak	IgG2ak
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 <sub>280</sub>	~ 1 mg per mL	0.9 mg per mL
<b>Functional Activity</b> ELISA analysis using CS capture antigen from <i>P. falciparum</i> Sporozoite ELISA Reagent Kit (BEI Resources MRA-890) Immunofluorescence assay with <i>P. falciparum</i> sporozoite stage <sup>1</sup>	Reactive  Reactive	Reactive  Reactive; immunostaining of sporozoite stage surface (Figure 1)

<sup>1</sup>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**



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