

Certificate of Analysis for MRA-316A

Monoclonal Anti-*Plasmodium falciparum* 48/45-kDa Gamete Surface Protein (Pfs48/45), Clone IIC5B-10-1 (produced *in vitro*)

Catalog No. MRA-316A

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

Product Description:

Antibody Class: IgG2a

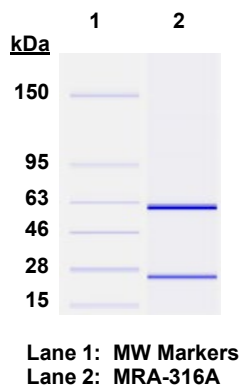
Monoclonal antibody prepared against the 48/45-kDa gamete surface protein of *Plasmodium falciparum* (*P. falciparum*) (mixed strains) was purified using protein G affinity chromatography from supernatants obtained from mouse IIC5B-10-1 hybridoma. MRA-316A was produced from BEI Resources seed lot 64091724 adapted to serum-free media.

Lot: 70039903

Manufacture Date: 29NOV2020

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG2a	IgG2a
Agilent Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains; Report purity	Correct molecular weight (MW) for heavy and light chains (Figure 1); 97.8% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg per mL	0.74 mg per mL
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

Figure 1: Agilent Protein 230 Analysis



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