

Hybridoma 2A10 Anti-*Plasmodium falciparum* Circumsporozoite Protein (CSP)

Catalog No. MRA-183

Product Description:

The murine hybridoma cell line, 2A10, was generated by the fusion of P3U1 mouse myeloma cells with splenocytes from BALB/c mice immunized with *Plasmodium falciparum* (*P. falciparum*) sporozoites of Thailand origin. MRA-183 lot 70032794 was produced by inoculation of the BEI Resources seed lot 61715079 into Dulbecco's Modified Eagle's Medium (DMEM; ATCC® 30-2002™) supplemented with 10% fetal bovine serum (FBS, embryonic stem cell qualified; ATCC® SCRR-30-2020™). After a series of passages, the culture was propagated for 3 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot. MRA-183 lot 70032794 was vialled in FBS supplemented with 10% dimethylsulfoxide (DMSO).

Lot: 70032794

Manufacturing Date: 03FEB2020

TEST	SPECIFICATIONS	RESULTS
Cellular Morphology	Report results	Round and transparent
Antibody Class Determination	IgG2ak	IgG2ak
Multiplex PCR Amplification of Cytochrome C Oxidase I Gene	Murine origin No evidence of another species	Murine origin No evidence of another species
Total Cell Count (post-freeze)	> 1.0 × 10 ⁶ cells per vial	5.21 × 10 ⁶ cells per vial
Viability (post-freeze)	≥ 50%	52.7%
Sterility (BacT/ALERT® 3D Microbial Detection System) 14-day incubation of MRA-183: iNST culture bottle, 32°C, anaerobic iAST culture bottle, 32°C, aerobic	No growth No growth	No growth No growth
Mycoplasma Contamination Hoechst DNA stain Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of test article nucleic acid	None detected None detected None detected	None detected None detected None detected

/Heather Couch/

Heather Couch

15 JUL 2020

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.

