Anti-PfMSP-1 [5.2] Standard Size Ab00937-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG2b, Fc Silent™, Kappa
Clone Number: 5.2
Alternative Name(s) of Target: PMMSA; P. falciparum merozoite surface protein 1; MSP-1; p195
UniProt Accession Number of Target Protein: P04933
Published Application(s): immunoblot, IP, ELISA, IF
Published Species Reactivity: Plasmodium falciparum
Immunogen: This antibody was raised by immunising BALB/c mice with schizont-enriched P. falciparum.
Specificity: This antibody specifically recognises a disulphide-dependent conformational epitope of the native Plasmodium falciparum merezoite surface protein 1.
Application Notes: This antibody has been used in indirect immunofluorescence analysis to stain schizonts and free merezoites in acetone-fixed parasite samples (Siddiqui et al, 1986), and in immunoprecipitation (Siddiqui et al, 1986) and ELISA (Yoshida et al, 1999; Mazumdar et al, 2009) experiments. This antibody reacts strongly with native PfMSP-1 in immunoblot and ELISA analysis, but reactivity declines under denatured conditions (Mazumdar et al, 2009).
Antibody First Published in: Siddiqui et al. Induction of Protective Immunity to Monoclonal-Antibody-Defined Plasmodium falciparum Antigens Requires Strong Adjuvant in Aotus Monkeys Infect Immun. 1986 Apr;52(1):314-8. PMID:3514459
Note on publication: Describes the original generation of this antibody, and its characterisation in IHC and IP analysis.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4^{o}C for up to 3 months. For longer storage, aliquot and store at -20^{o}C.
Concentration: 1 mg/ml.

© 2024 Absolute Antibody Wilton, UK.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

© 2024 Absolute Antibody Wilton, UK.