

Anti-PfMSP-1 [5.2] Standard Size Ab00937-3.0

Isotype and Format: Mouse IgG2b, 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 merozoite surface protein 1.

Application Notes: This antibody has been used in indirect immunofluorescence analysis to stain schizonts and free merozoites 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°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

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