

32-13551: Malaria Pf. MSP1

Alternative Name :

Plasmodium falciparum is a protozoan parasite, one of the species of *Plasmodium* that cause malaria. Malaria parasites are members of the Apicomplexa. Apicomplexa are characterized by a set of organelles found in some stages of the parasite's life cycle. These organelles, collectively known as apical organelles because of their localization at one end of the parasite, are involved in interactions between the parasite and host. In particular, the apical organelles have been implicated in the process of host cell invasion. In the case of *Plasmodium*, three distinct invasive forms have been identified: sporozoite, merozoite, and ookinete.

Description

Sterile Filtered clear solution.

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Merozoite surface antigen is a protein located on the outside of the merozoite, playing an imperative role in immune reaction. About 55% cases of malaria are infected by *Plasmodium falciparum* (Pf). Pf MSP1 has to be used with *Plasmodium vivax* (Pv) together for ELISA and rapid diagnostic test, *Plasmodium falciparum* and *vivax* infection takes about 95% of *Plasmodium* caused infection. Recombinant Malaria Falciparum MSP1 produced in *E.coli*, is a 62kDa protein fused to a GST tag at N-terminus and purified by proprietary chromatographic technique.

Product Info

Amount :	100 µg / 0.5 mg
Purification :	Protein is >90% pure as determined by 10% PAGE (coomassie staining).
Content :	Sterile Filtered solution containing 50mM Tris Base and 25mM K ₂ CO ₃ .
Storage condition :	Pf. MSP1 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.