9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13550: Malaria Pv. 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.
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.
Merozoite surface antigen is a protein located on the outside of the merozoite, playing an imperative role in immune reaction. About 45% cases of malaria are infected by Plasmodium vivax (Pv). Pv. MSP1 has to be used with Plasmodium falciparum (Pf) together for ELISA and rapid diagnostic test, Plasmodium falciparum and vivax infection takes about 95% of Plasmodium caused infection.Recombinant Malaria Vivax MSP1 produced in E.coli and fused to a His tag was purified by proprietary chromatographic technique.

Product Info

Amount :	100 µg / 0.5 mg
Purification :	Protein is >95% pure as determined by SDS-PAGE.
Content :	Sterile Filtered solution containing Phosphate buffered saline, 25mM arginine and 1mM EDTA.
Storage condition :	Pv. MSP1 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.