

## Plasmodium falciparum Mosaic - Purified

**Catalog No.:** AR10731PU-L

**Quantity:** 1 mg

**Background:** 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

**Source:** E. coli

**Format:** **Purity:** Plasmodium Falciparum is >95.0% pure as determined by 10.0% PAGE (coomassie staining) and RP-HPLC.  
**Method:** Plasmodium Falciparum was purified by proprietary chromatographic technique.  
**Buffer System:** 150mM Imidazole, pH 8.0, 150mM NaCl, 25mM Sodium Phosphate and 50% Glycerol

**Applications:** Use as an antigen in ELISA and Western Blots.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Description:** The *E.coli* derived recombinant protein contains the Plasmodium Falciparum Cs Mosaic protein epitopes 107-129, 334-351 amino acids.

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.