

12-8388: Anti-P. falciparum, HRP-2 (PFAL-2440)

Clonality :	Monoclonal
Clone Name :	PFAL-2440
Application :	ELISA
Alternative Name :	Histidine rich protein II, HRP-2, pf-HRP-2, Malaria
Isotype :	Mouse IgG2b

Description

Specificity: Anti-P. falciparum (Clone PFAL-7871) is specific for the Histidine rich protein II of P. falciparum.
Background: Plasmodium is a genus of parasitic protozoa that causes the disease malaria, a significant global health concern. There are several species of Plasmodium that can infect humans with the most common being P. falciparum, P. vivax, P. malariae, and P. ovale. The parasite is transmitted by the bite of infected female Anopheles mosquitoes. Once inside the host, the parasite infects and multiplies within red blood cells. HRP-2 is a protein released by Plasmodium falciparum into the bloodstream when it infects red blood cells. It is unique to P. falciparum and has become an important target for diagnostics, especially rapid diagnostic testing.

Product Info

Amount :	250µg
Purification :	Purity: $\geq 90\%$ Preparation: This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations. Concentration: ≥ 1.0 mg/ml
Content :	Formulation: Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.
Storage condition :	This purified antibody is stable when stored at 2-8°C. Do not freeze.

Application Note

ELISA: 1:20 - 1:200