



# Anti-*P. falciparum* Monoclonal antibody, Clone C1246M (DMAB4099)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with HRP-2 from <i>P. falciparum</i> . Does not react with other plasmodium species.
<b>Target</b>	<i>P. falciparum</i>
<b>Immunogen</b>	Native Plasmodium falciparum HRP-2
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	<i>P. falciparum</i>
<b>Clone</b>	C1246M
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>Suitable for use in ELISA or lateral flow applications. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended antibody pairs for sandwich immunoassay:</p> <p>Capture Detection DMAB4098 DMAB4099</p> <p>Suggested pair for testing (Capture - Detection): <a href="#">DMAB4098</a> - DMAB4099</p>
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	1 mg
<b>Buffer</b>	0.01M PBS, pH 7.3
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at 2–8°C.

## BACKGROUND

<b>Introduction</b>	<p>The most deadly of the four Plasmodium species that cause human malaria is the protozoan parasite Plasmodium falciparum. Plasmodium falciparum is a protozoan parasite, one of the species of Plasmodium that cause malaria in humans. It is transmitted by the female Anopheles mosquito. P. falciparum is the most dangerous of these infections as P. falciparum (or malignant) malaria has the highest rates of complications and mortality. As of 2006 it accounted for 91% of all 247 million human malarial infections (98% in Africa) and 90% of the deaths. It is more prevalent in sub-Saharan Africa than in other regions of the world; in most African countries, more than 75% of cases were due to P. falciparum, whereas in most other countries with malaria transmission, other Plasmodial species predominate.</p>
<b>Keywords</b>	<p>Plasmodium falciparum (malaria) Histidine-Rich Protein 2 (HRP-2); Eukarya; Chromalveolata; Apicomplexa; Aconoidasida; Haemosporida; Plasmodiidae; Plasmodium; P. falciparum; Plasmodium falciparum</p>