



Anti-*P. vivax* MSP 1 Monoclonal antibody, Clone C485V (DMAB4109)

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

PRODUCT INFORMATION

Specificity	Plasmodium vivax merozoite surface protein 1
Target	<i>P. vivax</i> MSP 1
Immunogen	Recombinant <i>P. vivax</i> MSP1
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	<i>P. vivax</i>
Clone	C485V
Affinity Constant	Not determined
Purification	95% pure. Protein G Sepharose chromatography. Purity is tested by electrophoresis.
Conjugate	Unconjugated
Applications	Suitable for use in ELISA and Western blot. 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.
Format	Purified, Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS, pH 7.4

Preservative 0.1% Sodium Azide

Storage Store at 2–8°C.

BACKGROUND

Introduction Plasmodium vivax is a protozoal parasite and a human pathogen. The most frequent and widely distributed cause of recurring (tertian) malaria, P. vivax is one of the four species of malarial parasite that commonly infect humans. It is less virulent than Plasmodium falciparum, which is the deadliest of the four, and is seldom fatal. P. vivax is carried by the female Anopheles mosquito, since it is the only sex of the species that bites. The repeat region of the Plasmodium vivax circumsporozoite (CS) protein contains 20 copies of the nine amino acid sequence DRA A/D GQPAG.

Keywords Plasmodium vivax MSP1; P. vivax; Plasmodium vivax merozoite specific protein 1; Protista; Apicomplexa; Aconoidasida; Haemosporida; Plasmodiidae; Plasmodium; Plasmodium vivax
