

Datasheet: MCA2826

Description:	MOUSE ANTI PLASMODIUM VIVAX CSP
Specificity:	PLASMODIUM VIVAX CSP
Other names:	CIRCUMSPOROZOITE PROTEIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	PVC-1
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			
Immunoprecipitation			■	
Western Blotting	■			
Functional Assays			■	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Protozoan
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 0.5mg/ml
RRID	AB_1102819
Specificity	<p>Mouse anti Plasmodium vivax CSP antibody, clone PVC-1 recognizes the circumsporozoite protein (CSP) of <i>Plasmodium vivax</i>. Outside sub-Saharan Africa, where <i>P. falciparum</i> infection is most common, <i>P. vivax</i> is the most common cause of malaria infection. While not as deadly as <i>P. falciparum</i>, it does negatively affect human health. Malaria infection is initiated when an infected <i>Anopheles</i> mosquito injects sporozoites into a person's blood during a blood meal. The sporozoites migrate to and infect hepatocytes where they multiply asexually. The CSP is the major surface protein of sporozoites and form a dense coat on the parasite's surface. The CSP is involved in the motility of the sporozoite and the invasion of target cells. It is also required for sporozoite development in the mosquito. The protein has been extensively studied as a vaccine candidate. Vaccination with irradiated sporozoites has been shown to protect against malarial parasites with the sera of protected individuals recognising CSP.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

From March 15, 2021, we will no longer supply printed datasheets with our products.

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