

Datasheet: MCA2824

Description:	MOUSE ANTI PLASMODIUM FALCIPARUM MSP1
Specificity:	PLASMODIUM FALCIPARUM MSP1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	PEM-1
Isotype:	IgG2a
Quantity:	0.2 mg

Product Details

RRID AB_1102818

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 (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Specificity **Mouse anti Plasmodium falciparum MSP1 antibody, clone PEM-1** recognizes the merozoite surface protein 1 (MSP1) of *Plasmodium falciparum*, a protozoan parasite that causes malaria in humans. Malaria caused by *P. falciparum* has high mortality rates and is the most common in

sub-Saharan Africa. The parasite is transmitted by *Anopheles* mosquitoes. Merozoites are the result of asexual reproduction of the parasite in the hepatocytes. They are released from hepatocytes and infected erythrocytes to infect other erythrocytes. MSP1 is the most abundant protein on the surface of merozoites and is involved in parasite invasion of the erythrocyte. It has long been considered a promising candidate for a vaccine against malaria. Some studies have shown that naturally acquired antibodies to a cleavage product of MSP1 can be linked to a reduced risk of clinical malaria.

Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
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
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

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Printed on 20 May 2019