

Datasheet: MCA1662F

BATCH NUMBER 172134

Description:	MOUSE ANTI HUMAN IgM:FITC
Specificity:	IgM
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	M15/8
Isotype:	IgG1
Quantity:	0.1 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	▪			Neat
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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	Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin		

Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
External Database Links	UniProt: P01871 Related reagents Entrez Gene: 3507 IGHM Related reagents
RRID	AB_321862
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	Mouse anti Human IgM monoclonal antibody, clone M15/8 recognizes human IgM, binding to the μ heavy chain. The antibody does not cross-react with other immunoglobulin classes.
Flow Cytometry	Use 10 μ l of the suggested working dilution to label 10 ⁶ cells in 100 μ l
References	1. Cragg, M.S. <i>et al.</i> (1999) Analysis of the interaction of monoclonal antibodies with surface IgM on neoplastic B-cells. Br J Cancer. 79 (5-6): 850-7. 2. Irie, E. <i>et al.</i> (2010) Severe hypogammaglobulinemia persisting for 6 years after treatment with rituximab combined chemotherapy due to arrest of B lymphocyte differentiation together with alteration of T lymphocyte homeostasis. Int J Hematol. 91: 501-8. 3. Creasey, A.M. <i>et al.</i> (2003) Nonspecific immunoglobulin M binding and chondroitin sulfate A binding are linked phenotypes of <i>Plasmodium falciparum</i> isolates implicated in malaria during pregnancy. Infect Immun. 71: 4767-71. 4. Ghumra, A. <i>et al.</i> (2012) Induction of strain-transcending antibodies against Group A PfEMP1 surface antigens from virulent malaria parasites. PLoS Pathog. 8 (4): e1002665. 5. Semblat, J.P. <i>et al.</i> (2015) Identification of the minimal binding region of a Plasmodium falciparum IgM binding PfEMP1 domain. Mol Biochem Parasitol. 201 (1): 76-82.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1662F
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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