

## Datasheet: MCA1662F

<b>Description:</b>	MOUSE ANTI HUMAN IgM:FITC
<b>Specificity:</b>	IgM
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	M15/8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> ) 1% bovine serum albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01871</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">3507</a> IGHM <a href="#">Related reagents</a>
<b>RRID</b>	AB_321862
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Human IgM monoclonal antibody, clone M15/8</b> recognizes human IgM, binding to the $\mu$ heavy chain. The antibody does not cross-react with other immunoglobulin classes.
<b>Flow Cytometry</b>	Use 10 $\mu$ l of the suggested working dilution to label 10 <sup>6</sup> cells in 100 $\mu$ l
<b>References</b>	<ol style="list-style-type: none"> <li>1. Cragg, M.S. <i>et al.</i> (1999) Analysis of the interaction of monoclonal antibodies with surface IgM on neoplastic B-cells. <a href="#">Br J Cancer. 79 (5-6): 850-7.</a></li> <li>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. <a href="#">Int J Hematol. 91: 501-8.</a></li> <li>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. <a href="#">Infect Immun. 71: 4767-71.</a></li> <li>4. Ghumra, A. <i>et al.</i> (2012) Induction of strain-transcending antibodies against Group A PfEMP1 surface antigens from virulent malaria parasites. <a href="#">PLoS Pathog. 8 (4): e1002665.</a></li> <li>5. Semblat, J.P. <i>et al.</i> (2015) Identification of the minimal binding region of a Plasmodium falciparum IgM binding PfEMP1 domain. <a href="#">Mol Biochem Parasitol. 201 (1): 76-82.</a></li> </ol>
<b>Storage</b>	<p>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.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1662F">https://www.bio-rad-antibodies.com/SDS/MCA1662F</a> 10041
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

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

### Recommended Useful Reagents

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

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

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

'M410982:221031'

**Printed on 18 Jan 2024**

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