

Datasheet: MCA1894

**BATCH NUMBER 163885**

<b>Description:</b>	MOUSE ANTI HUMAN IgM
<b>Specificity:</b>	IgM
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CM7
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.25 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	▪			1/10 - 1/50
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

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>Species Cross Reactivity</b>	<p>Reacts with: Horse, Pig, Marmoset, Dog, Cat, Rhesus Monkey</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid
<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>	<0.1% sodium azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Purified human IgM, and then purified cat IgM.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01871</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3507</a>    IGHM    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_323088
<b>Specificity</b>	<p><b>Mouse anti Human IgM antibody, clone CM7</b> is an excellent broad species anti-IgM monoclonal antibody, and shows no cross-reactivity with other immunoglobulin classes or sub classes.</p> <p>Mouse anti Human IgM antibody, clone CM7 may be used as a marker of mature B lymphocytes in flow cytometry.</p>
<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells or 100µl whole blood
<b>References</b>	<ol style="list-style-type: none"> <li>1. Reubel, G.H. <i>et al.</i> (1992) Interaction of acute feline herpesvirus-1 and chronic feline immunodeficiency virus infections in experimentally infected specific pathogen free cats. <a href="#">Vet Immunol Immunopathol. 35 (1-2): 95-119.</a></li> <li>2. Lunn, D.P. <i>et al.</i> (1998) Report of the Second Equine Leucocyte Antigen Workshop, Squaw valley, California, July 1995. <a href="#">Vet Immunol Immunopathol. 62 (2): 101-43.</a></li> <li>3. Chandhasin, C. <i>et al.</i> (2005) Unique long terminal repeat and surface glycoprotein gene sequences of feline leukemia virus as determinants of disease outcome. <a href="#">J Virol. 79 (9): 5278-87.</a></li> <li>4. Prieto, J.M. <i>et al.</i> (2017) Developmental expression of B cell molecules in equine lymphoid tissues. <a href="#">Vet Immunol Immunopathol. 183: 60-71.</a></li> <li>5. Tallmadge, R.L. <i>et al.</i> (2012) Expression of essential B cell development genes in horses with common variable immunodeficiency <a href="#">Molecular Immunology. 51 (2): 169-76.</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.</p>
<b>Guarantee</b>	12 months from date of despatch

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**Health And Safety Information**      Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)                      [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...)                      [RPE](#)  
Goat Anti Mouse IgG (STAR70...)                      [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...)                      [RPE](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...)                      [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...)                      [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...)                      [FITC](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://www.bio-rad-antibodies.com/datasheets)  
'M411971:221108'

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