

# Datasheet: MCA2240GA

**BATCH NUMBER 152979**

<b>Description:</b>	MOUSE ANTI CHICKEN CD41/CD61
<b>Specificity:</b>	CD41/CD61
<b>Other names:</b>	GP1Ib-IIIa
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	11C3
<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	▪			1/10 - 1/50
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Immunofluorescence	▪			

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>	Chicken
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

## Stabilisers

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Carrier Free	Yes
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Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Immunogen	Peripheral blood leukocytes from white leghorn chicken
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Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the X63/A63-653 myeloma cell line
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Specificity	<b>Mouse anti Chicken CD41/61, clone 11C3</b> recognizes chicken integrin CD41/61, also known as GPIIb-IIIa. CD41/61 is a heterodimeric cell surface protein, expressed on chicken thrombocytes and cells of the thrombocyte lineage. Avian thrombocytes are nucleated equivalents of mammalian platelets playing roles in coagulation and phagocytosis.
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Mouse anti Chicken CD41/61 clone 11C3 is reported to induce thrombocyte activation ([Lacoste-Eleaume et al. 1994](#)).

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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul
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References	<ol style="list-style-type: none"><li>1. Horiuchi, H. <i>et al.</i> (2004) A monoclonal antibody against chicken thrombocytes reacts with the cells of thrombocyte lineage. <a href="#">J Vet Med Sci. 66 (3): 243-50.</a></li><li>2. Corbel, C. (2002) Expression of alphaVbeta3 integrin in the chick embryo aortic endothelium. <a href="#">Int J Dev Biol. 46 (6): 827-30.</a></li><li>3. Del Cacho, E. <i>et al.</i> (2008) Isolation of chicken follicular dendritic cells. <a href="#">J Immunol Methods. 334: 59-69.</a></li><li>4. Del Cacho, E. <i>et al.</i> (2009) Avian follicular and interdigitating dendritic cells: isolation and morphologic, phenotypic, and functional analyses. <a href="#">Vet Immunol Immunopathol. 129: 66-75.</a></li><li>5. Ody, C. <i>et al.</i> (1999) Glycoprotein IIb-IIIa is expressed on avian multilineage hematopoietic progenitor cells. <a href="#">Blood 93: 2898-906.</a></li><li>6. Chaussé, A.M. <i>et al.</i> (2011) Expression of Toll-like receptor 4 and downstream effectors in selected cecal cell subpopulations of chicks resistant or susceptible to <i>Salmonella</i> carrier state. <a href="#">Infect Immun. 79: 3445-54.</a></li><li>7. Balic, A. <i>et al.</i> (2014) Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. <a href="#">Development 141: 3255-65.</a></li></ol>
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Storage	Store at +4°C or at -20°C if preferred.
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This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	This antibody is licensed from INRA-INSERM
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2240GA">https://www.bio-rad-antibodies.com/SDS/MCA2240GA</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

[MOUSE ANTI CHICKEN CSF1R:Alexa Fluor® 488 \(MCA5956A488\)](#)  
[MOUSE ANTI CHICKEN CSF1R:Alexa Fluor® 647 \(MCA5956A647\)](#)  
[MOUSE ANTI CHICKEN CSF1R \(MCA5956GA\)](#)  
[MOUSE ANTI CHICKEN CD3 \(MCA1473\)](#)  
[MOUSE ANTI CHICKEN MHC CLASS II MONOMORPHIC \(MCA2171GA\)](#)  
[MOUSE ANTI CHICKEN MONOCYTES/MACROPHAGES \(MCA5770\)](#)  
[MOUSE ANTI CHICKEN Bu-1a/b \(MCA5764\)](#)

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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)

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