

## Datasheet: MCA2240GA

**BATCH NUMBER 152979**

<b>Description:</b>	MOUSE ANTI CHICKEN CD41/CD61
<b>Specificity:</b>	CD41/CD61
<b>Other names:</b>	GPIIb-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> )

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**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** **Mouse anti Chicken CD41/61, clone 11C3** 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.

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**

1. Horiuchi, H. *et al.* (2004) A monoclonal antibody against chicken thrombocytes reacts with the cells of thrombocyte lineage. [J Vet Med Sci. 66 \(3\): 243-50.](#)
2. Corbel, C. (2002) Expression of alphaVbeta3 integrin in the chick embryo aortic endothelium. [Int J Dev Biol. 46 \(6\): 827-30.](#)
3. Del Cacho, E. *et al.* (2008) Isolation of chicken follicular dendritic cells. [J Immunol Methods. 334: 59-69.](#)
4. Del Cacho, E. *et al.* (2009) Avian follicular and interdigitating dendritic cells: isolation and morphologic, phenotypic, and functional analyses. [Vet Immunol Immunopathol. 129: 66-75.](#)
5. Ody, C. *et al.* (1999) Glycoprotein IIb-IIIa is expressed on avian multilineage hematopoietic progenitor cells. [Blood 93: 2898-906.](#)
6. Chaussé, A.M. *et al.* (2011) Expression of Toll-like receptor 4 and downstream effectors in selected cecal cell subpopulations of chicks resistant or susceptible to *Salmonella* carrier state. [Infect Immun. 79: 3445-54.](#)
7. Balic, A. *et al.* (2014) Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. [Development 141: 3255-65.](#)

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**Storage** Store at +4°C or at -20°C if preferred.

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="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</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>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</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://bio-rad-antibodies.com/datasheets)  
'M366416:200529'

Printed on 07 Nov 2023