

## Datasheet: MCA2240GA

**BATCH NUMBER 170950**

<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 A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% sodium azide (NaN <sub>3</sub> )

## Stabilisers

---

Carrier Free Yes

---

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

---

Immunogen Peripheral blood leukocytes from white leghorn chicken

---

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the X63/A63-653 myeloma cell line

---

**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](#)).

---

**Flow Cytometry** Use 10µl of the suggested working dilution to label 10<sup>6</sup> cells in 100µl

---

## 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.](#)
8. Meijerink, N. *et al.* (2020) Early Life Inoculation With Adult-Derived Microbiota Accelerates Maturation of Intestinal Microbiota and Enhances NK Cell Activation in Broiler Chickens. [Front Vet Sci. 7: 584561.](#)
9. Meijerink, N. *et al.* (2021) Analysis of chicken intestinal natural killer cells, a major IEL subset during embryonic and early life. [Dev Comp Immunol. 114: 103857.](#)
10. Meijerink, N. *et al.* (2021) Glucose Oligosaccharide and Long-Chain Glucomannan Feed Additives Induce Enhanced Activation of Intraepithelial NK Cells and Relative Abundance of Commensal Lactic Acid Bacteria in Broiler Chickens. [Vet Sci. 8 \(6\): 110.](#)

11. Härtle, S. *et al.* (2024) Delineation of chicken immune markers in the era of omics and multicolor flow cytometry [Frontiers in Veterinary Science. 23 May \[Epub ahead of print\]](#).
12. Saint-Martin, V. *et al.* (2024) The gut microbiota and its metabolite butyrate shape metabolism and antiviral immunity along the gut-lung axis in the chicken. [Commun Biol. 7 \(1\): 1185.](#)
13. Moosavi, M. *et al.* (2025) Indications of trained innate immunity by *Escherichia coli* vaccination or chitin feed supplementation assessed during *Ascaridia galli* infection in chickens. [Mol Immunol. 183: 246-258.](#)
14. Freier, L. *et al.* (2025) Baseline immune profiles of local chicken breeds: linking biodiversity, animal health, and vaccination response. [Poult Sci. 104 \(10\): 105565.](#)

<b>Storage</b>	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.
<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>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</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>

### 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 \(MCA5764\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)

'M438131:250328'

**Printed on 04 Feb 2026**

---

© 2026 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)