

## Datasheet: MCA2240F

<b>Description:</b>	MOUSE ANTI CHICKEN CD41/CD61:FITC
<b>Specificity:</b>	CD41/CD61
<b>Other names:</b>	GPIIb-IIIa
<b>Format:</b>	FITC
<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	▪			Neat - 1/2

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Chicken						
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
FITC	490	525					
<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						
<b>Stabilisers</b>	1% Bovine Serum Albumin						
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml						
<b>Immunogen</b>	Peripheral blood leukocytes from white leghorn chicken						
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the X63/A63-653 myeloma cell line						
<b>Specificity</b>	<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 that is expressed on chicken thrombocytes and cells of the thrombocyte lineage. Avian thrombocytes are nucleated equivalents of mammalian platelets that play a role in coagulation and phagocytosis.

Mouse anti Chicken CD41/61 clone 11C3 is reported to induce thrombocyte activation ([Lacoste-Eleume 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. Lacoste-Eleume, A.S. *et al.* (1994) Biochemical and functional characterization of an avian homolog of the integrin GPIIb-IIIa present on chicken thrombocytes. [Exp Cell Res. 213 \(1\): 198-209.](#)
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. This product is photosensitive and should be protected from light.

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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**Shelf Life** 18 months from date of despatch.

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**Acknowledgements** This antibody is licensed from INRA-INSERM

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory** For research purposes only

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