

Datasheet: MCA2240PE

BATCH NUMBER 150251

Description:	MOUSE ANTI CHICKEN CD41/CD61:RPE
Specificity:	CD41/CD61
Other names:	GPIIb-IIIa
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	11C3
Isotype:	IgG1
Quantity:	100 TESTS

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

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.

Target Species	Chicken						
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized						
Reconstitution	Reconstitute with 1.0 ml distilled water						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant						
Buffer Solution	Phosphate buffered saline						
Preservative	0.09% Sodium Azide						
Stabilisers	1% Bovine Serum Albumin						

5% Sucrose

Immunogen	Peripheral blood leukocytes from white leghorn chicken
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RRID	AB_2128895
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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	<p>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.</p> <p>Mouse anti Chicken CD41/61 clone 11C3 is reported to induce thrombocyte activation (Lacoste-Eleaume <i>et al.</i> 1994).</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">1. Horiuchi, H. <i>et al.</i> (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. <i>et al.</i> (2008) Isolation of chicken follicular dendritic cells. J Immunol Methods. 334: 59-69.4. Del Cacho, E. <i>et al.</i> (2009) Avian follicular and interdigitating dendritic cells: isolation and morphologic, phenotypic, and functional analyses. Vet Immunol Immunopathol. 129: 66-75.5. Ody, C. <i>et al.</i> (1999) Glycoprotein IIb-IIIa is expressed on avian multilineage hematopoietic progenitor cells. Blood 93: 2898-906.6. 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. Infect Immun. 79: 3445-54.7. Balic, A. <i>et al.</i> (2014) Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. Development 141: 3255-65.
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Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	12 months from date of despatch
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Acknowledgements This antibody is licensed from INRA-INSERM

Health And Safety Information Material Safety Datasheet documentation #20487 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA2240PE>
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Regulatory For research purposes only

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com

Email: antibody_sales_de@bio-rad.com

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