

## Datasheet: MCA2240PE

|                      |                                  |
|----------------------|----------------------------------|
| <b>Description:</b>  | MOUSE ANTI CHICKEN CD41/CD61:RPE |
| <b>Specificity:</b>  | CD41/CD61                        |
| <b>Other names:</b>  | GP1Ib-IIIa                       |
| <b>Format:</b>       | RPE                              |
| <b>Product Type:</b> | Monoclonal Antibody              |
| <b>Clone:</b>        | 11C3                             |
| <b>Isotype:</b>      | IgG1                             |
| <b>Quantity:</b>     | 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](http://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       | 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                                             |                      |                   |
| 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 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-Eleaume et al. 1994](#)).

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

**References**

1. Lacoste-Eleaume, 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.](#)

**Storage** Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

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.

**Shelf Life** 12 months from date of reconstitution.

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

**Health And Safety Information** Material Safety Datasheet documentation #10075 available at: 10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

**Regulatory** For research purposes only

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