

## Datasheet: MCA929A647

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|----------------------|---|
| <b>Description:</b>  | MOUSE IgG2a NEGATIVE CONTROL:Alexa Fluor® 647 |
| <b>Specificity:</b>  | MOUSE IgG2a NEGATIVE CONTROL                  |
| <b>Format:</b>       | ALEXA FLUOR® 647                              |
| <b>Product Type:</b> | Negative/Isotype Control                      |
| <b>Isotype:</b>      | IgG2a   |
| <b>Quantity:</b>     | 100 TESTS/1ml                                 |

## Product Details

**RRID** AB\_324767

**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 | ■   |    |                | *                  |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures.

\* It is recommended that the user dilutes the antibody for use in their own system to a concentration equivalent to their test reagents.

**Target Species** Negative Control

**Product Form** Purified IgG conjugated to Alexa Fluor® 647 - liquid

| Max Ex/Em | Fluorophore     | Excitation Max (nm) | Emission Max (nm) |
|-----------|-----------------|---------------------|-------------------|
|           | Alexa Fluor®647 | 650                 | 665               |

**Preparation** Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 0.05 mg/ml

**Immunogen** Activated rat T-helper cells.

**Fusion Partners** Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.

**Specificity** **Mouse IgG2a negative control antibody, clone OX-34** is suitable for use as a negative control

reagent for the measurement of non-specific binding of mouse monoclonal antibodies of isotype IgG2a to human tissue.

Clone MRC OX-34 recognises a rat cell surface marker, and therefore cannot be used as a negative control in this species.

This product is routinely tested in flow cytometry on rat splenocytes to confirm antibody activity and on human whole blood to test for suitability as a negative control.

Test results have shown that MCA929 is also suitable for use as a negative control with bovine, ovine, porcine, equine, canine, lapine and guinea-pig tissues.

This antibody may not be suitable for intracellular staining on some cell types.

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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**

1. Avigdor, A. *et al.* (2004) CD44 and hyaluronic acid cooperate with SDF-1 in the trafficking of human CD34+ stem/progenitor cells to bone marrow. [Blood. 103 \(8\): 2981-9.](#)
2. Kamble, N.M. *et al.* (2016) Interaction of a live attenuated *Salmonella gallinarum* vaccine candidate with chicken bone marrow-derived dendritic cells. [Avian Pathol. Jan 26:1-24. \[Epub ahead of print\]](#)
3. Wattegedera, S.R. *et al.* (2017) Enhancing the toolbox to study IL-17A in cattle and sheep. [Vet Res. 48 \(1\): 20.](#)

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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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**Guarantee** 18 months from date of despatch.

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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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## Related Products

## Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA1210A647\)](#)

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