

## Datasheet: MCA928A647

|                      |                                              |
|----------------------|----------------------------------------------|
| <b>Description:</b>  | MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 |
| <b>Specificity:</b>  | MOUSE IgG1 NEGATIVE CONTROL                  |
| <b>Format:</b>       | ALEXA FLUOR® 647                             |
| <b>Product Type:</b> | Negative/Isotype Control                     |
| <b>Isotype:</b>      | IgG1                                         |
| <b>Quantity:</b>     | 100 TESTS/1ml                                |

## 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 | ■   |    |                | *                  |

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                      | <table><tr><th>Fluorophore</th><th>Excitation Max (nm)</th><th>Emission Max (nm)</th></tr><tr><td>Alexa Fluor®647</td><td>650</td><td>665</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Fluorophore       | Excitation Max (nm) | Emission Max (nm) | Alexa Fluor®647 | 650 | 665 |  |  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |                   |                 |     |     |  |  |
| Specificity                    | <p><b>Mouse IgG1 negative control</b> is negative by flow cytometry on all human cells and cell lines tested. Further tests have also shown that this reagent is also suitable for use as a negative control with bovine (<a href="#">Maslanka et al, 2012</a>), ovine, porcine (<a href="#">Kapetanovic et al, 2012</a>), equine (<a href="#">Jacks et al, 2007</a>), canine (<a href="#">Maiolini et al, 2012</a>) , lapine (<a href="#">Pakandl et al, 2008</a>) and guinea-pig tissues.</p> <p><b><i>This reagent recognises a rat cell surface marker, and therefore cannot be used as a negative control in this species.</i></b></p> |                   |                     |                   |                 |     |     |  |  |
| Flow Cytometry                 | Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells or 100ul whole blood.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                     |                   |                 |     |     |  |  |

## References

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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.

## Shelf Life

18 months from date of despatch.

## Acknowledgements

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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10041 available at:<br>10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a> |
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|-------------------|----------------------------|
| <b>Regulatory</b> | For research purposes only |
|-------------------|----------------------------|

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA1209A647\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
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'M300544:170105'

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