



## Datasheet: MCA928A700

**BATCH NUMBER 164307**

<b>Description:</b>	MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 700
<b>Specificity:</b>	MOUSE IgG1 NEGATIVE CONTROL
<b>Format:</b>	ALEXA FLUOR® 700
<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 to a concentration equivalent to their test reagent.

<b>Target Species</b>	Negative Control						
<b>Product Form</b>	Purified IgG conjugated to Alexa Fluor® 700 - liquid						
<b>Max Ex/Em</b>	<table><thead><tr><th>Fluorophore</th><th>Excitation Max (nm)</th><th>Emission Max (nm)</th></tr></thead><tbody><tr><td>Alexa Fluor®700</td><td>702</td><td>723</td></tr></tbody></table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	Alexa Fluor®700	702	723
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
Alexa Fluor®700	702	723					
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant						
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin						
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05 mg/ml						
<b>RRID</b>	AB_808769						

## Specificity

**Mouse IgG1 negative control** 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 (Maslanka *et al*, 2012), ovine, porcine ([Kapetanovic \*et al\*, 2012](#)), equine ([Jacks \*et al\*, 2007](#)), canine ([Maiolini \*et al\*, 2012](#)), lapine ([Pakandl \*et al\*, 2008](#)) and guinea-pig tissues.

***This reagent recognizes a rat cell surface marker, and therefore cannot be used as a negative control in this species.***

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## Flow Cytometry

Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells or 100ul whole blood.

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## References

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13. Arzi, B. *et al*. (2017) Therapeutic Efficacy of Fresh, Allogeneic Mesenchymal Stem Cells for Severe Refractory Feline Chronic Gingivostomatitis. [Stem Cells Transl Med. 6 \(8\): 1710-22.](#)
14. Taechangam, N. *et al*. (2021) Feline adipose-derived mesenchymal stem cells induce effector phenotype and enhance cytolytic function of CD8+ T cells. [Stem Cell Res Ther.](#)

[12 \(1\): 495.](#)

15. do Prado Duzanski, A. *et al.* (2022) Cell-mediated immunity and expression of MHC class I and class II molecules in dogs naturally infected by canine transmissible venereal tumor: Is there complete spontaneous regression outside the experimental CTVT?

[Research in Veterinary Science. 145: 193-204.](#)

16. Tolstova, T. *et al.* (2023) The effect of TLR3 priming conditions on MSC immunosuppressive properties. [Stem Cell Res Ther. 14 \(1\): 344.](#)

17. Geng, Y. *et al.* (2018) Dietary vitamin D(3) supplementation protects laying hens against lipopolysaccharide-induced immunological stress. [Nutr Metab \(Lond\). 15: 58.](#)

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**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA928A700>  
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**Regulatory**

For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 700 \(MCA1209A700\)](#)

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