Datasheet: MCA928A647

Description:	MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647
Specificity:	MOUSE IgG1 NEGATIVE CONTROL
Format:	ALEXA FLUOR® 647
Product Type:	Negative/Isotype Control
Isotype:	IgG1
Quantity:	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.

	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 Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

RRID

AB_324768

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.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood.

References

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6. Maślanka, T. *et al.* (2012) The presence of CD25 on bovine WC1+ gammadelta T cells is positively correlated with their production of IL-10 and TGF-beta, but not IFN-gamma. Pol J Vet Sci. 15 (1): 11-20.
7. Pakandl, M. *et al*. (2008) Immune response to rabbit coccidiosis: a comparison between infections with Eimeria flavescens and E. intestinalis. Folia Parasitol (Praha). 55:1-6.
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9. 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]
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12. Iwaszko-Simonik, A. *et al.* (2015) Expression of surface platelet receptors (CD62P and CD41/61) in horses with recurrent airway obstruction (RAO). Vet Immunol Immunopathol. 164 (1-2): 87-92.
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.
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.
Guarantee	12 months from date of despatch
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 (MCA1209A647)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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