

Datasheet: MCA1209A488

Description:	MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488
Specificity:	MOUSE IgG1 NEGATIVE CONTROL
Format:	ALEXA FLUOR® 488
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 product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Negative Control		
Product Form	Purified IgG conjugated to Alexa Fluor® 488 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®488	495	519
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin		
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml		
Immunogen	Human T lymphocytes.		

RRID AB_324200

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

Specificity **Mouse IgG1 Negative Control antibody** is suitable for use as a negative control to assess non-specific binding of mouse IgG1 antibodies to target cells. Mouse IgG1 Negative Control antibody has been tested and found to be negative on the following rat cell types, peripheral blood leucocytes, thymocytes, splenocytes and macrophages.

Clone F8-11-13 recognizes the human CD45RA antigen, and therefore human leucocytes may be used as a positive control for this product. NOT SUITABLE FOR USE AS A NEGATIVE CONTROL ON HUMAN TISSUES

Flow Cytometry Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

References

1. Weiss, D.J. *et al.* (2008) Bovine monocyte TLR2 receptors differentially regulate the intracellular fate of *Mycobacterium avium* subsp. *paratuberculosis* and *Mycobacterium avium* subsp. *avium*. [J Leukoc Biol. 83 \(1\): 48-55.](#)
2. Chen, W. *et al.* (2009) Expression of toll-like receptor 4 in uvea-resident tissue macrophages during endotoxin-induced uveitis. [Mol Vis. 15: 619-28.](#)
3. Safeukui I *et al.* (2015) Malaria induces anemia through CD8+ T cell-dependent parasite clearance and erythrocyte removal in the spleen. [MBio. 6 \(1\) pii: e02493-14.](#)
4. Aricha, R. *et al.* (2016) Suppression of experimental autoimmune myasthenia gravis by autologous T regulatory cells. [J Autoimmun. 67: 57-64.](#)
5. Wattedgedera, S.R. *et al.* (2017) Enhancing the toolbox to study IL-17A in cattle and sheep. [Vet Res. 48 \(1\): 20.](#)
6. Stangl, H. *et al.* (2020) MHC/class-II-positive cells inhibit corticosterone of adrenal gland cells in experimental arthritis: a role for IL-1β, IL-18, and the inflammasome. [Sci Rep. 10 \(1\): 17071.](#)

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:
<https://www.bio-rad-antibodies.com/SDS/MCA1209A488>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA928A488\)](#)

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
'M408487:221012'

Printed on 19 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)