

HAMSTER anti-MOUSE CD11c

Publication Part No. L11524

MAN0005158

Rev. 2.00

Store at 2° to 8°C

Catalog No.	Form	Amount	Excitation	Peak Emission	Matching Isotype Control
MCD11c00	Purified	200 µg	—	—	Hamster IgG Purified (Cat. no. HM00)
MCD11c15-3	Biotin	3.0 mL	—	—	Hamster IgG Biotin (Cat. no. HM15)
MCD11c28	Pacific Blue™	1.0 mL	405 nm	455 nm	Hamster IgG Pacific Blue™ (Cat. no. HM28)
MCD11c20	Alexa Fluor® 488	1.0 mL	488 nm	519 nm	Hamster IgG Alexa Fluor® 488 (Cat. no. HM20)
MCD11c30	Pacific Orange™*	1.0 mL	405 nm	551 nm	—
MCD11c04	R-PE	0.5 mL	496 nm	578 nm	Hamster IgG R-PE (Cat. no. HM04)
MCD11c04-3		3.0 mL			
MCD11c17	PE-TR†	0.5 mL	488 nm	615 nm	—
MCD11c05	APC	0.5 mL	650 nm	660 nm	Hamster IgG APC (Cat. no. HM05)
MCD11c18	PE-Cy® 5.5	0.5 mL	488 nm	694 nm	Hamster IgG PE-Cy®5.5 (Cat. no. HM18)
A14788	PerCP-Cy®5.5	0.125 mL (25 µg)	482 nm	695 nm	—

* Use a 575 or 585 nm band pass filter for optimal brightness from Pacific Orange™ dye

† TR, Texas Red®

Product Description

The Hamster anti-Mouse CD11c Monoclonal Antibody (mAb) recognizes the 150 kDa mouse CD11c glycoprotein. It associates with CD18 to form a CD11c/CD18 heterodimer. CD11c is expressed primarily on splenic dendritic cells, NK cells, granulocytes, monocytes, macrophages, T cells, and a subset of B cells¹.

Product Specifications

Clonality:	Monoclonal
Host/Class:	Armenian Hamster IgG
Reactivity:	Mouse CD11c
Apparent MW:	150 kDa
Sequence Identity:	Mouse
Clone/PAD:	N418
Lot:	See product label

Product Applications

Applications reported for the Hamster anti-Mouse CD11c mAb include flow cytometry, immunoprecipitation, and immunocytochemistry (acetone-fixed)¹.

Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage and Handling

Store reagents at 2° to 8°C. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Cells should be analyzed within 18 hours of staining for best results.

Avoid light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.

Storage Buffer

Phosphate Buffered Saline (PBS) with 0.1% sodium azide. Conjugated products are also formulated with BSA and may contain sucrose as an additional stabilizing agent. PerCP-Cy®5.5 conjugates contain an aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

For research use only. Not for human or animal therapeutic or diagnostic use.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

References

- Metlay, J. P., M. D. Witmer-Pack, R. Agger, M. T. Crowsky, D. Lawless, and R. M. Steinman. 1990. The distinct leukocyte integrins of mouse spleen dendritic cells as identified with new hamster monoclonal antibodies. *J. Exp. Med.* 171: 1753–1771.

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog no.
AbC™ Anti-Mouse Bead Kit	1 kit	A10344
AbC™ anti-Rat/Hamster Bead Kit	1 kit	A10389
Protein A Agarose	5 mL	15918-014
Recombinant Protein G (rProtein G) Agarose	5 mL	15920-010

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support

Limited Use Label License: Research Use Only

The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product only to perform internal research for the sole benefit of the purchaser. No right to resell this product or any of its components is conveyed expressly, by implication, or by estoppel. This product is for internal research purposes only and is not for use in commercial applications of any kind, including, without limitation, quality control and commercial services such as reporting the results of purchaser's activities for a fee or other form of consideration. For information on obtaining additional rights, please contact outlicensing@lifetech.com or Out Licensing, Life Technologies, 5791 Van Allen Way, Carlsbad, California 92008.

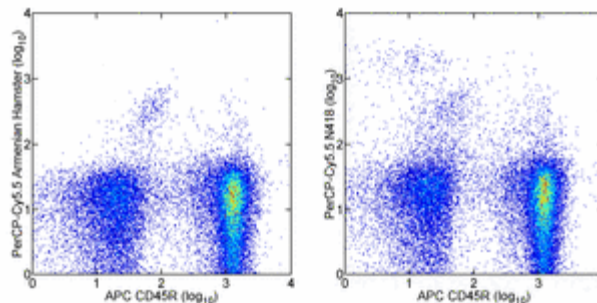


Figure 1 Two-color analysis of CD11c expression on mouse splenocytes.

Staining of C57BL/6 splenocytes with an anti-mouse CD45R (B220)-APC antibody and 0.125 µg of Armenian Hamster IgG-PerCP-Cy[®]5.5 isotype control (left) or 0.125 µg of Hamster anti-Mouse CD11c-PerCP-Cy[®]5.5 Monoclonal Antibody (Cat. no. A14788) (right). Total viable cells were used for analysis.

Note: All flow cytometric data shown may not necessarily have been generated using the enclosed lot of reagent. For this reason, and due to differences in flow cytometers and cytometer settings, results may vary from those illustrated above. It is suggested that investigators titrate reagents to determine optimal conditions for use in their systems.

LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) DISCLAIM ALL WARRANTIES WITH RESPECT TO THIS DOCUMENT, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. TO THE EXTENT ALLOWED BY LAW, IN NO EVENT SHALL LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) BE LIABLE, WHETHER IN CONTRACT, TORT, WARRANTY, OR UNDER ANY STATUTE OR ON ANY OTHER BASIS FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING BUT NOT LIMITED TO THE USE THEREOF.

©2012 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation or their respective owners. Cy[®] is a trademark of GE/Amersham Biosciences.

For support visit www.lifetechnologies.com/support or email techsupport@lifetech.com

www.lifetechnologies.com

15 July 2012

life
technologies™