

PRODUCT INSERT
CYTO-IC MONOCLONAL ANTIBODIES
SPECIFIC TO HUMAN IL-10

Product Code	Form	Volume	Antibody*	Tests	Excitation (nm)	Peak Emission (nm)	Matching Isotype Controls
RHCIL1001	FITC	1.0 ml		100 min.	488	525	Rat IgG1 FITC Code R101
RHCIL1004	R-PE	0.5 ml		50 min.	488	575	Rat IgG1 R-PE Code R104

PRODUCT DESCRIPTION

Rat monoclonal antibody to human IL-10

Clone: JES3-9D7

Isotype: Rat IgG1

Lot No.: See label **Expiration:** See label

Buffer: Phosphate buffered saline (PBS)

Preservative: 0.1% *sodium azide*. Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Solutions containing sodium azide should be disposed of properly.

Stabilizer: For conjugated products only, a highly purified grade of BSA has been added as a stabilizing agent.

STORAGE & HANDLING

Store reagents at 2-8°C. For fluorochrome-conjugated antibodies only, light exposure should be avoided. Use dim light during handling, incubation with cells and prior to analysis. It is recommended that cells be analyzed within 18 hours of staining. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

PRODUCT CHARACTERIZATION

Antigen Specificity: According to the literature this antibody recognizes human and viral interleukin-10 (IL-10)¹. This antibody has been demonstrated to inhibit the biological function of IL-10^{1,3,5}.

Staining Protocol: This antibody has been optimized for use with Invitrogen's FIX & PERM[®] fixation and permeabilization kits (catalog numbers GAS-003 and GAS-004). The staining protocol is given in the product inserts for the kits.

PRODUCT QUALITY CONTROL

Each lot is tested by flow cytometry using activated human PBMCs (HiCK-2 cells, Becton Dickinson Biosciences). Based on this testing it is recommended that 5 µl of antibody be used per 1 x 10⁶ cells in a 100 µl staining volume. Because conditions may vary, it is suggested that each investigator determine the optimal amount of antibody to be used for each application.








REFERENCES:

- Abrams, J. S., M.-G. Roncarolo, H. Yssel, U. Andersson, G. J. Gleich, and J. Silver. 1992. *Immunol. Rev.* 127: 5.
- Barnes, P. F., D. Chatterjee, J. S. Abrams, S. Lu, E. Wang, M. Yamamura, P. J. Brennan, and R. L. Modlin. 1992. *J. Immunol.* 149: 541.
- Gotlieb, W. H., J. S. Abrams, J. M. Watson, T. Velu, J. S. Berek, and O. Martinez-Maza. 1992. *Cytokine* 4: 385.
- Salgame, P., J. S. Abrams, C. Clayberger, H. Goldstein, R. L. Modlin, and B. R. Bloom. 1991. *Science* 254: 279.
- Yssel, H., R. de Waal Malefyt, M.-G. Roncarolo, J. S. Abrams, R. Lahesmaa, H. Spits and J. E. de Vries. 1992. *J. Immunol.* 149: 2378.

* Antibody value assigned is based on the Optical Density at 280 nm.

† The Alexa Fluor dye conjugate in this product is sold under license from Molecular Probes, Inc., and is covered by pending and issued patents.

Explanation of symbols

Symbol	Description	Symbol	Description
	Manufacturer		Catalog number
	Use by		Temperature limitation
	Consult instructions for use		Caution, consult accompanying documents
	Batch code		

L11378

MAN0007990 Rev 1.00 Effective Date: 08 APR 2013

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.

DISCLAIMER

LIFE TECHNOLOGIES CORPORATION 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.

© 2013 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation and/or its affiliate(s) or their respective owners. For support visit www.lifetechnologies.com/support or email techsupport@lifetech.com. The purchase of this product conveys to the purchaser the limited, non-transferable right to use 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.