

THE JOURNAL OF EXPERIMENTAL MEDICINE

Volume 189, No. 6, March 15, 1999

Contents

- 883** *Johan K. Sandberg, Klas Kärre, and Rickard Glas.* Recognition of the major histocompatibility complex restriction element modulates CD8⁺ T cell specificity and compensates for loss of T cell receptor contacts with the specific peptide
- 895** *Danila Valmori, Uzi Gileadi, Catherine Servis, P. Rod Dunbar, Jean-Charles Cerottini, Pedro Romero, Vincenzo Cerundolo, and Frédéric Lévy.* Modulation of proteasomal activity required for the generation of a cytotoxic T lymphocyte-defined peptide derived from the tumor antigen MAGE-3
- 907** *Christopher Mehlin, Catherine M. Headley, and Seymour J. Klebanoff.* An inflammatory polypeptide complex from *Staphylococcus epidermidis*: isolation and characterization
- 919** *C. Stremmel, E.A. Greenfield, E. Howard, G.J. Freeman, and V.K. Kuchroo.* B7-2 expressed on EL4 lymphoma suppresses antitumor immunity by an interleukin 4-dependent mechanism
- 931** *Rosario Scalia, Valerie E. Armstead, Alexander G. Minchenko, and Allan M. Lefer.* Essential role of P-selectin in the initiation of the inflammatory response induced by hemorrhage and reinfusion
- 939** *Ali Hafezi-Moghadam and Klaus Ley.* Relevance of L-selectin shedding for leukocyte rolling in vivo
- 949** *Thomas J. Schneider, Gavin M. Fischer, Terrence J. Donohoe, Thomas P. Colarusso, and Thomas L. Rothstein.* A novel gene coding for a Fas apoptosis inhibitory molecule (FAIM) isolated from inducibly Fas-resistant B lymphocytes
- 957** *Anne Hakem, Takehiko Sasaki, Ivona Kozieradzki, and Josef M. Penninger.* The cyclin-dependent kinase Cdk2 regulates thymocyte apoptosis
- 969** *John T. Chang, Ethan M. Shevach, and Benjamin M. Segal.* Regulation of interleukin (IL)-12 receptor β 2 subunit expression by endogenous IL-12: a critical step in the differentiation of pathogenic autoreactive T cells
- 979** *Jun-ichi Masuyama, Taku Yoshio, Kenichi Suzuki, Seiichi Kitagawa, Masahiro Iwamoto, Takeshi Kamimura, Daisuke Hirata, Akira Takeda, Shogo Kano, and Seiji Minota.* Characterization of the 4C8 antigen involved in transendothelial migration of CD26^{hi} T cells after tight adhesion to human umbilical vein endothelial cell monolayers
- 991** *Xia Jin, Daniel E. Bauer, Sarah E. Tuttleton, Sharon Lewin, Agegnehu Gettie, James Blanchard, Craig E. Irwin, Jeffrey T. Safrit, John Mittler, Leor Weinberger, Leondios G. Kostrikis, Linqi Zhang, Alan S. Perelson, and David D. Ho.* Dramatic rise in plasma viremia after CD8⁺ T cell depletion in simian immunodeficiency virus-infected macaques

Brief Definitive Reports

- 999** *Fateh Ouaaz, Ming Li, and Amer A. Beg.* A critical role for the RelA subunit of nuclear factor κ B in regulation of multiple immune-response genes and in Fas-induced cell death

Contents continued

Cover picture: Monoclonal antibody anti-4C8 blocks transendothelial migration of T cells at the intercellular borders of HUVECs. Human T cells were cocultured with a HUVEC monolayer under conditions that would normally promote transendothelial migration of T cells. Inclusion of anti-4C8 selectively blocks the transmigration step. The result, shown by scanning electron microscopy, is that T cells adhere firmly to the monolayer surface, flatten on it, and extend pseudopods into the junctions, but are unable to migrate further. See related article in this issue by Masuyama et al., pp. 979–989.

- 1005** *Daniel J. Cua, Herve Groux, David R. Hinton, Stephen A. Stohlman, and Robert L. Coffman.* Transgenic interleukin 10 prevents induction of experimental autoimmune encephalomyelitis
- 1011** *Gregory D. Sempowski, David M. Lee, Richard M. Searce, Dhavalkumar D. Patel, and Barton F. Haynes.* Resistance of CD7-deficient mice to lipopolysaccharide-induced shock syndromes

The appearance of the code at the bottom of the first page of an article in this journal indicates that the Publisher gives consent for individual copies of that article to be made for personal or internal use. This consent is given on the condition, however, that—for copying beyond the limited quantities permitted under Sections 107 and 108 of the U. S. Copyright Law—the copier pay the stated per copy fee, for this journal \$2.00 per article, through the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, phone: 978-750-8400, a nonprofit organization. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. The Journal of Experimental Medicine (ISSN 0022-1007) is published semi-monthly for \$490 (postal surcharge for all foreign subscriptions except Canada \$130 net) by The Rockefeller University Press, 1114 First Avenue, New York, NY 10021. Periodical postage paid at New York, NY and additional mailing offices. POSTMASTER: Send address changes to The Journal of Experimental Medicine, Circulation Department, The Rockefeller University Press, 1114 First Avenue, New York, NY 10021.

Copyright © 1999 by The Rockefeller University Press, 1114 First Avenue, New York, NY 10021. *Made in the United States of America.*