Contents

CELLULAR IMMUNOLOGY


D. L. Maccubbin and L. W. Schierman 12 MHC-Restricted Cytotoxic Response of Chicken T Cells: Expression, Augmentation, and Clonal Characterization

C. P. Muller, D. A. Stephany, and J. R. Wunderlich 17 Changes in Mouse MHC Expression during the Cell Cycle of Con-A Treated Spleen Cells


M. Shigeta, S. Takahara, and C. G. Fathman 28 Effect of Selective T Cell Depletion of Host and/or Donor Bone Marrow on Lymphopoietic Repopulation. Tolerance, and Graft-vs-Host Disease in Mixed Allogeneic Chimeras (B10 + B10.D2 ⇒ B10)

S. T. Ildstad, S. Takahara, and C. G. Fathman 34 Two Independent Pathways of Helper Activity Provided by a Single T Cell Clone


P. B. Hausman, D. H. Sherr, and M. E. Dorf 44 Cytolytic Activity of Antigen-Specific T Cells with Helper Phenotype

J. T. Raasom, D. L. DiGiusto, and J. C. Cambier 48 Anti-Idiotype B Cells Are Required for the Induction ofSuppressor T Cells

H. Kawamura and J. A. Berzof-sky 54 Single Cell Analysis of Calcium Mobilization in Anti-Immunoglobulin-Stimulated B Lymphocytes

J. T. Ransom and J. C. Cambier 58 Enhancement of Antigenic Potency In Vitro and Immunogenicity In Vivo by Coupling the Antigen to Anti-Immunoglobulin


D. F. Jelinek, J. B. Splawski, and P. E. Lipsky 76 A Monoclonal Antibody Specific for Rat Intestinal Lymphocytes

R. J. Youle, F. M. Uckun, D. A. Vallera, and M. Colombatti 83 Human Peripheral Blood B Lymphocyte Subpopulations: Functional and Phenotypic Analysis of Surface IgD Positive and Negative Subsets


Continued on page 4

THE JOURNAL OF IMMUNOLOGY (ISSN 0022-1767) is published bimonthly by The American Association of Immunologists, 3770 Tansy Street, San Diego, CA 92121. Second class postage paid at Baltimore, MD and at additional mailing offices. POSTMASTER: Send address changes (Form 3579) to The Journal of Immunology, 428 E. Preston St., Baltimore, MD 21202. Indexed by Current Contents and Index Medicus. Subscription rates $150 ($205 foreign); institutions $170 ($225 foreign); students $36 ($91 foreign); single copy $8 ($11 foreign). Copyright © 1986 by The American Association of Immunologists.
G. J. Anhalt, H. P. Patel, R. S. Labib, L. A. Diaz, and D. Proud

E. J. Quackenbush, A. Gougou, R. Baumal, and M. Letarte

P. Ronco, T. J. Neale, C. B. Wilson, M. Galceran, and P. Verroust

H. L. Spiegelberg, K. M. Canning, M. Scheetz, G. Koppel, and J. M. Chiller

N. Nagata, U. Hurtenbach, and E. Gleichmann

S. A. Ahmed, P. R. Young, and W. J. Penhale

D. L. Greiner, E. S. Handler, K. Nakano, J. P. Mordes, and A. A. Rossini

A. M. Stanisz, D. Befus, and J. Bienenstock

R. A. Sobel, R. C. van der Veen, and M. B. Lees


dexamethasone inhibits plasminogen activator activity in experimental pemphigus in vivo but does not block acantholysis

Differential localizations within human kidney of five membrane proteins expressed on acute lymphoblastic leukemia cells

An immunopathologic study of a 330-kD protein defined by monoclonal antibodies and reactive with anti-RTEa5 antibodies and kidney eluates from active heymann nephritis

Effect of myeloma IgE injections on passive and active cutaneous anaphylaxis in rats

Specific sensitization of LYT-1+2- T cells to spleen cells modified by the beneficial effect of testosterone in the treatment of chronic autoimmune thyroiditis in rats

Absence of the RT-6 T cell subset in diabetes-prone BB/W rats

Differential effects of vasoactive intestinal peptide, substance P, and somatostatin on immunoglobulin synthesis and proliferations by lymphocytes from Peyer's patches, mesenteric lymph nodes, and spleen

The immunopathology of chronic experimental allergic encephalomyelitis induced in rabbits with bovine proteolipid protein

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

T. Nakagawa, N. Nakagawa, D. J. Volkman, and A. S. Fauci

P. Orchansky, M. Rubinstein, and D. G. Fischer

B. D.-M. Chen

H. Fujiwara and J. J. Ellner

S. L. Kunkel, S. W. Chensue, and S. H. Phan

R. S. Wallis, H. Fujiwara, and J. J. Ellner

S. L. Watt and R. Auerbach

D. E. Cavender, D. O. Haskard, B. Joseph, and M. Ziff

M. Dy, B. Lebel, and E. Schneider

C. J. Heijnen, C. Bevers, A. Kavelaars, and R. E. Ballieux

Sequential synergistic effect of interleukin 2 and interferon-γ on the differentiation of a TAC-antigen B cell line

The interferon-γ receptor in human monocytes is different from the one in nonhematopoietic cells

Interferon-induced inhibition of receptor-mediated endocytosis of colony-stimulating factor (CSF-1) by murine peritoneal exudate macrophages

Spontaneous production of a suppressor factor by the human macrophage-like cell line U937: I. Suppression of interleukin 1, interleukin 2, and mitogen-induced blastogenesis in mouse thymocytes

Prostaglandins as endogenous mediators of interleukin 1 production

Direct stimulation of monocyte release of interleukin 1 by mycobacterial protein antigens

A mitogenic factor for endothelial cells obtained from mouse secondary mixed leukocyte cultures

Interleukin 1 increases the binding of human B and T lymphocytes to endothelial cell monolayers

Histamine-producing cell stimulating factor (HCSF) and interleukin 3 (IL-3): Evidence for two distinct molecular entities

Effect of a-endorphin on the antigen-induced primary antibody response of human blood B cells in vitro

IMMUNOCHEMISTRY

C. A. Mikoryak, B. W. Elliott, Jr., M. E. Kimball, and L. A. Steiner

T. Borsos, A. Circolo, G. O. Young-Cooper, and R. Mage

G. Suzuki and R. H. Schwartz

T. A. Springer, L. J. Miller, and D. C. Anderson

J. L. Pauly, R. B. Bankert, and E. A. Repasky

A. M. Lew, W. L. Maloy, and J. E. Coligan

An extra disulfide bridge in the constant domain of Rana catesbeiana immunoglobulin light chains

Anti-hapten IgG antibodies bound to cell surface hapten: Anti-IgG antibody prevents dissociation as measured with fluid phase hapten

The pigeon cytochrome c-specific T cell response of low responder mice. I. Identification of antigenic determinants on fragment 1 to 65

Immunofluorescent patterns of spectrin in lymphocyte cell lines

Characteristics of the expression of the murine soluble class I molecule (Q10)

Continued on page 5
IMMUNOPHARMACOLOGY

M. Garcia-Gil and R. P. Siraganian 259  Phospholipase A2 Stimulation during Cell Secretion in Rat Basophilic Leukemia Cells
M. Szamel, P. Berger, and K. Resch 264  Inhibition of T Lymphocyte Activation by Cyclosporin A: Interference with the Early Activation of Plasma Membrane Phospholipid Metabolism
L. B. Justement, W. A. Aldrich, G. D. Wenger, M. S. O’Dorisio, and B. S. Zwillling 270  Modulation of Cyclic AMP-Dependent Protein Kinase Isozyme Expression Associated with Activation of a Macrophage Cell Line
B. Pohajdak, J. Gomez, F. W. Orr, N. Khalil, M. Talgoy, and A. H. Greenberg 278  Chemotaxis of Large Granular Lymphocytes

M. W. Cunningham, N. K. Hall, K. K. Krisher, and A. M. Spanier 293  A Study of Anti-Group A Streptococcal Monoclonal Antibodies Cross-Reactive with Myosin
W. G. Powderly, G. B. Pier, and R. B. Markham 299  In Vitro T Cell-Mediated Killing of Pseudomonas aeruginosa. III. The Role of Suppressor T Cells in Nonresponder Mice
W. R. Green 308  Expression of CTL-Defined, AKR/Gross Retrovirus-Associated Tumor Antibodies by Normal Spleen Cells: Control by Fv-1, H-2, and Proviral Genes and Effect on Antiviral CTL Generation
W. E. Hauser, Jr., and V. Tsai 313  Acute Toxoplasma Infection of Mice Induces Spleen NK Cells that Are Cytotoxic for T. gondii In Vitro

TUMOR IMMUNOLOGY

D. Lovett, B. Kozan, M. Hadam, K. Resch, and D. Gemsa 340  Macrophage Cytotoxicity: Interleukin 1 as a Mediator of Tumor Cytostasis
B. Jones, J. P. Tite, and C. A. Janeway, Jr. 348  Different Phenotypic Variants of the Mouse B Cell Tumor A20/2J Are Selected by Antigen- and Mitogen-Triggered Cytotoxicity of L3T4-Positive, I-A-Restricted T Cell Clones

Announcements 357
Author Index 359