Contents

CELLULAR IMMUNOLOGY

R. Ceredig  355  Differentiation Potential of 14-Day Fetal Mouse Thymocytes in Organ Culture: Analysis of CD4/CD8-Defined Single-Positive and Double-Negative Cells

L. A. Morrison, V. L. Braciale, and T. J. Braciale  363  Antigen Form Influences Induction and Frequency of Influenza-Specific Class I and Class II MHC-Restricted Cytolytic T Lymphocytes


H. Bhayani, F. R. Carbone, and Y. Paterson  377  The Activation of Pigeon Cytochrome c-Specific T Cell Hybridomas by Antigenic Peptides Is Influenced by Non-Native Sequences at the Amino Terminus of the Determinant

D. Glotz, M. Sollazzo, S. Riley, and M. Zanetti  383  Isotype, V, Genes, and Antigen Binding Analysis of Hybrids from Newborn Normal BALB/c Mice

D. C. Roopenian and P. S. Anderson  391  Generation of Helper Cell-Independent Cytotoxic T Lymphocytes Is Dependent upon L3T4+ Helper T Cells

H. Schrezenmeier and B. Fleischer  398  A Regulatory Role for the CD4 and CD8 Molecules in T Cell Activation

G. F. Fischer, W. Holter, O. Majdic, E. J. Cracoe, Jr., and W. Knapp  404  T Cell Stimulation via CD2 Molecules Is Regularly Accompanied by an Increase in Cytoplasmic pH: Different Effects of Lectins and CD3 Antibodies

G. J. Rosenthal, G. W. Weigand, D. R. Germolec, J. A. Blank, and M. I. Luster  410  Suppression of B Cell Function by Methotrexate and Trimetrexate: Evidence for Inhibition of Purine Biosynthesis as a Major Mechanism of Action

G. A. van Seventer, H. Spits, H. Yssel, C. J. M. Mellef, and P. Ivanyi  417  Differential Recognition by Human Cytotoxic T Cell Clones of Human M1 Fibroblasts Transfected with an HLA-B7 Gene (JY150) Suggests the Existence of Two Different HLA-B7 Alleles in the Cell Line JY (HLA-A2,2; B7,7; CW-1; Dr4,w6)

S. Chouaib, A. Bensussan, A.-M. Termijtelen, M. Andreeff, C. Marchiol-Fournigault, D. Fradelizi, and B. Dupont  423  Allogeneic T Cell Activation Triggering by MHC Class I Antigens

M. Fukuzawa, C. S. Via, and G. M. Shearer  430  Defective Thymic Education of L3T4+ T Helper Cell Function in Graft vs Host Mice

S. Taira and H. Nariuchi  440  Possible Role of Neuraminidase in Activated T Cells in the Recognition of Allogeneic Ia


R. H. Carter, M. O. Spycker, Y. C. Ng, R. Hoffman, and D. T. Fearon  457  Synergistic Interaction between Complement Receptor Type 2 (CD21) and Membrane IgM on B Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

S. Sriram, L. Carroll, S. Fortin, S. Cooper, and G. Ranges  464  In vivo Immunomodulation by Monoclonal Anti-CD4 Antibody. II. Effect on T Cell Response to Myelin Basic Protein and Experimental Allergic Encephalomyelitis

H. Saragovi and T. R. Malek
B. L. Lokeshwar and H.-S. Lin
C. M. Snapper, F. D. Finkel- man, D. Stefan, D. H. Con- rad, and W. E. Paul
M. Brown, J. Hu-Li, and W. E. Paul
Y. Ichinose, O. Bakouche, J. Y. Tsao, and I. J. Fidler
D. Santoli, S. C. Clark, B. L. Kreider, P. A. Maslin, and G. Rovera
K. Last-Barney, C. A. Homon, R. B. Faanes, and V. J. Mer- luzzi
K. Dorshkind
D. Baran, M. Korner, and J. Theze

Direct Identification of the Murine IL-2 Receptor p55-p75 Heterodimer in the Absence of IL-2
Development and Characterization of Monoclonal Antibodies to Murine Macrophage Colony-Stimulating Factor
IL-4 Induces Co-Expression of Intrinsic Membrane IgG1 and IgE by Murine B Cells Stimulated with Lipopolysaccharide
The Involvement of Human Tumor Necrosis Factors-α and -β in the Mixed Lymphocyte Reaction
IL-4/B Cell Stimulatory Factor 1 Stimulates T Cell Growth by an IL-2-Independent Mechanism
Tumor Necrosis Factor and IL-1 Associated with Plasma Membranes of Activated Human Monocytes Lyse Monokine-Sensitive but not Monokine-Resistant Tumor Cells whereas Viable Activated Monocytes Lyse Both Amplification of IL-2-Driven T Cell Proliferation by Recombinant Human IL-3 and Granulocyte-Macrophage Colony-Stimulating Factor
Synergistic and Overlapping Activities of Tumor Necrosis Factor-α and IL-1
IL-1 Inhibits B Cell Differentiation in Long Term Bone Marrow Cultures Characterization of the Soluble Murine IL-2R and Estimation of its Affinity for IL-2

A. Haziot, S. Chen, E. Ferrero, M. G. Low, R. Silber, and S. M. Goyert
R. Burger, G. Zilow, A. Bader, A. Friedlein, and W. Naser
Y. Katz and R. C. Strunk

The Monocyte Differentiation Antigen, CD14, Is Anchored to the Cell Membrane by a Phosphatidylinositol Linkage
The C Terminus of the Anaphylatoxin C3a Generated upon Complement Activation Represents a Neoantigenic Determinant with Diagnostic Potential
Synthesis and Regulation of Complement Protein Factor H in Human Skin Fibroblasts
Heterogeneous Nature of the Acute Phase Response: Differential Regulation of Human Serum Amyloid A, C-Reactive Protein, and Other Acute Phase Proteins by Cytokines in Hep 3B Cells

K. Miyazawa, S. Kiyono, and K. Inoue
J. M. Wang, J. D. Griffin, A. Rambaldi, Z. G. Chen. and A. Mantovani
D. R. Freyer, L. A. Boxer, R. A. Axtell, and R. F. Todd III
V. Lehmann, B. Benninghoff, and W. Dröge
D. A. Bobak, R. G. Washburn, and M. M. Frank

Modulation of Stimulus-Dependent Human Platelet Activation by C-Reactive Protein Modified with Active Oxygen Species
Induction of Monocyte Migration by Recombinant Macrophage Colony-Stimulating Factor
Stimulation of Human Neutrophil Adhesive Properties of Adenine Nucleotides
Tumor Necrosis Factor-Induced Activation of Peritoneal Macrophages Is Regulated by Prostaglandin E₂ and cAMP
Cq Enhances the Phagocytosis of Cryptococcus neoformans Blastospores by Human Monocytes
MICROBLAL IMMUNOLOGY

S. S. Kratz and R. J. Kurlander

D. C. Anderson, M. E. Barry, and T. M. Buchanan
M. Ogasaara, G. J. Cianciolo, R. Snyderman, M. Mitani, R. A. Godd, and N. K. Day
D. M. Reinitz and J. M. Mansfield
C. E. Davis, M. Belosevic, M. S. Meltzer, and C. A. Nacy

Characterization of the Pattern of Inflammatory Cell Influx and Cytokine Production during the Murine Host Response to Listeria monocytogenes

Exact Definition of Species-Specific and Cross-Reactive Epitopes of the 65-kD Protein of Mycobacterium leprae Using Synthetic Peptides

Human IFN-γ Production Is Inhibited by a Synthetic Peptide Homologous to Retroviral Envelope Protein

MOLECULAR BIOLOGY • MOLECULAR GENETICS

P. D. Ennis, A. P. Jackson, and P. Parham
L. A. D’Hoostelaere, K. Huppi, B. Mock, C. Mallett, and M. Potter
T. M. Williams, L. Eisenberg, J. E. Burlein, C. A. Norris, S. Pancer, D. Yao, S. Burger, M. Kamoun, and J. A. Kant
D. Landais, S. Marchetto, C. Waltzinger, M. Pierres, C. Benoist, and D. Mathis

Molecular Cloning of Bovine Class I MHC cDNA

The Igα Chain Allelic Groups among the Igα Haplotypes and Igα Crossover Populations Suggest a Gene Order

Two Regions within the Human IL-2 Gene Promoter Are Important for Inducible IL-2 Expression

Slot-Machine Mutagenesis of a Polymorphic Residue on the Aβ Chain

TUMOR IMMUNOLOGY

J. P. Nawrocki, E. S. Kirsten, and R. I. Fisher
L. Wolff, J. F. Mushinski, G. L. C. Shen-Ong, and H. C. Morse III
A. Kasid, G. I. Bell, and E. P. Director
Y. Tsuchiya, M. Igarashi, R. Suzuki, and K. Kumagai

Biochemical and Structural Properties of a Hodgkin’s Disease-Related Membrane Protein

A Chronic Inflammatory Response: Its Role in Supporting the Development of c-myc and c-myb Related Promonocytic and Monocytic Tumors in BALB/c Mice

Effects of Transforming Growth Factor-β on Human Lymphokine-Activated Killer Cell Precursors: Autocrine Inhibition of Cellular Proliferation and Differentiation to Immune Killer Cells

Production of Colony-Stimulating Factor by Tumor Cells and the Factor-Mediated Induction of Suppressor Cells

Errata
Announcement
Author Index