Contents

CELLULAR IMMUNOLOGY

S. R. Abromson-Leeman and M. E. Dorf
H. Gascan, J.-F. Gauchat, G. Aversa, P. Van Vlasselaer, and J. E. de Vries
W. C. Hahn, Y. Rosenstein, S. J. Burakoff, and B. E. Bierer
M. F. Mescher, A. M. O'Rourke, P. Champoux, and K. P. Kane
V. B. Pinto and K. L. Rock
J. Plum, M. De Smedt, A. Billiau, H. Heremans, G. Leclerq, and B. Tison
A. Ratner and W. R. Clark
A. Tutt, G. T. Stevenson, and M. J. Glennie
C. M. Weyand, K. H. Cichocki, and J. J. Goronzy

1 Extradithymic Clonal Deletion of Self-Reactive Cells in Athymic Mice
8 Anti-CD40 Monoclonal Antibodies or CD4+ T Cell Clones and IL-4 Induce IgG4 and IgE Switching in Purified Human B Cells via Different Signaling Pathways
14 Interaction of CD2 with Its Ligand Lymphocyte Function-Associated Antigen-3 Induces Adenosine 3'5'-Cyclic Monophosphate Production in T Lymphocytes
22 Characterization and Regulation of RB6-8C5 Antigen Expression on Murine Bone Marrow Cells
29 A Soluble Form of the Human T Cell Differentiation Antigen CD27 Is Released after Triggering of the TCR/CD3 Complex
36 Equilibrium Binding of Cytotoxic T Lymphocytes to Class I Antigen
42 Characterization of the Proliferative Response of a CD4-8- Thymic T Lymphoma Cell Line to Stimulation by Thymic Cellular Elements
50 IFN-γ Reverses IL-4 Inhibition of Fetal Thymus Growth in Organ Culture
55 Lack of Target Cell Participation in Cytotoxic T Lymphocyte-Mediated Lysis Trispecific Fab' Derivatives that Use Cooperative Signaling via the TCR/CD3 Complex and CD2 to Activate and Redirect Resting Cytotoxic T Cells
60 Nonrandom Selection of T Cell Specificities in Anti-HLA-DR Responses: Sequence Motifs of the Responder HLA-DR Allele Influence T Cell Recruitment

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

I. Aksentijevich, D. H. Sachs, and M. Sykes
P. Boerner, R. LaFond, W.-Z. Lu, P. Brans, and I. Royston
T. B. Issekutz and A. Wykretowicz
M. Linker-Israeli, R. J. Deans, D. J. Wallace, J. Prehn, T. Ozeri-Chen, and J. R. Klinenberg

79 Natural Antibodies against Bone Marrow Cells of a Concordant Xenogeneic Species
86 Production of Antigen-Specific Human Monoclonal Antibodies from in Vitro-Primed Human Splenocytes
96 Trichophyton tonsurans Allergen I: Characterization of a Protein that Causes Immediate but not Delayed Hypersensitivity
102 Model for Studying Virus Attachment. II. Binding of Biotinylated Human T Cell Leukemia Virus Type I to Human Blood Mononuclear Cells Potential Targets for Human T Cell Leukemia Virus Type I Infection
109 Effect of a New Monoclonal Antibody, TA-2, that Inhibits Lymphocyte Adherence to Cytokine Stimulated Endothelium in the Rat
117 Elevated Levels of Endogenous IL-6 in Systemic Lupus Erythematosus: A Putative Role in Pathogenesis

Continued on page 4

Continued from page 3

Expression and Functional Characterization of a Soluble Form of Endothelial-Leukocyte Adhesion Molecule 1

Structural and Functional Studies of the Endothelial Activation Antigen Endothelial Leucocyte Adhesion Molecule-1 using a Panel of Monoclonal Antibodies

FMC46, A Cell Protrusion-Associated Leukocyte Adhesion Molecule-1 Epitope on Human Lymphocytes and Thymocytes

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

J. E. Albina, J. A. Abate, and W. L. Henry, Jr.

Nitric Oxide Production Is Required for Murine Resident Peritoneal Macrophages to Suppress Mitogen-Stimulated T Cell Proliferation: Role of IFN-γ in the Induction of the Nitric Oxide-Synthesizing Pathway

Manganese Superoxide Dismutase is Induced by IFN-γ in Multiple Cell Types: Synergistic Induction by IFN-γ and Tumor Necrosis Factor or IL-1

CD4+ Leu-8+ T Cell Supernatant Activity that Inhibits Ig Production

Retinoic Acid Enhances IL-1β Expression in Myeloid Leukemia Cells and in Human Monocytes

Preparation of Soluble Murine IL-6 Receptor and Anti-Murine IL-6 Receptor Antibodies

IMMUNOCHEMISTRY

S. Y. Choo, L.-A. Fan, and J. A. Hansen

A Novel HLA-B27 Allele Maps B27 Allospecificity to the Region around Position 70 in the α1 Domain

Characterization of Secretory Component in Amniotic Fluid: Identification of New Forms of Secretory IgA

Conformational and Structural Characteristics of Peptides Binding to HLA-DR Molecules

Comparison of Structural Requirements for Interaction of the Same Peptide with I-Ek and I-Ed Molecules in the Activation of MHC Class II-Restricted T Cells

Identification and Characterization of the Poa p IX Group of Basic Allergens of Kentucky Bluegrass Pollen

Quantitative Analysis of Adenine Nucleotides during the Prelytic Phase of Cell Death Mediated by C5b-9

Antibody MT3 Is Reactive with a Novel Exon B-Associated 190-kDa Sialic Acid-Dependent Epitope of the Leukocyte Common Antigen Complex

Continued on page 5
Continued from page 4

G. Thyphronitis, T. Kinoshita, K. Inoue, J. E. Schweinle, G. C. Tsokos, E. S. Metcalf, F. D. Finkelman, and J. E. Balow

IMMUNOPHARMACOLOGY

S. B. Abramson, J. Leszczynska-Piziak, and G. Weissmann
B. Gatewood, J. Joe, and S. H. Zigmond
A. M. Lamas, O. G. Leon, and R. P. Schleimer
K. Rokultan, J. A. Thomas, and R. B. Johnston, Jr.
H. H. Simms, T. A. Galthier, L. F. Fries, and M. M. Frank
N. Yamamoto, S. Homma, and I. Millman

224 Modulation of Mouse Complement Receptors 1 and 2 Suppresses Antibody Responses in Vivo

231 Arachidonic Acid as a Second Messenger: Interactions with a GTP-Binding Protein of Human Neutrophils

237 Platelet-Activating Factor Induces Mediator Release by Human Basophils Primed with IL-3, Granulocyte-Macrophage Colony-Stimulating Factor, or IL-5

243 CD45 Is not Involved in the Processing of Spatial Information Required for Chemotaxis

247 Human Mast Cell Carboxypeptidase: Selective Localization to MC\(_{\text{rc}}\) Cells

254 Glucocorticoids Inhibit Eosinophil Responses to Granulocyte-Macrophage Colony-Stimulating Factor

260 Phagocytosis and Stimulation of the Respiratory Burst by Phorbol Diester Induce Stiolation of Specific Proteins in Macrophages

265 Monokines Released during Short-Term Fcy Receptor Phagocytosis Up-Regulate Polymorphonuclear Leukocytes and Monocyte-Phagocytic Function

273 Identification of the Serum Factor Required for in Vitro Activation of Macrophages: Role of Vitamin D\(_3\)-Binding Protein (Group Specific Component, Gc) in Lysophospholipid Activation of Mouse Peritoneal Macrophages

MICROBIAL IMMUNOLOGY

S. J. Blander and M. A. Horwitz
M. Daibata, I. Mellinghoff, S. Takagi, R. E. Humphreys, and T. Sairenji
E. A. B. Kelly, E. S. Cruz, K. M. Hauda, and D. L. Wassom
K. R. McKenzie, E. Adams, W. J. Britton, R. J. Garsia, and A. Basten
S. J. Skerrett and T. R. Martin

281 Soluble IL-2 Receptor as an Agent of Serum-Mediated Suppression in Human Visceral Leishmaniasis

285 Vaccination with the Major Secretory Protein of Legionella Induces Humoral and Cell-Mediated Immune Responses and Protective Immunity Across Different Serogroups of Legionella pneumophila and Different Species of Legionella

292 Effect of Genistein, a Tyrosine Kinase Inhibitor, on Latent EBV Activation Induced by Cross-Linkage of Membrane IgG in Akata B Cells

298 Lysis of Neisseria gonorrhoeae Initiated by Binding of Normal Human IgM to a Hexosamine-Containing Lipooligosaccharide Epitope(s) Is Augmented by Strain-Specific, Properdin-Binding-Dependent Alternative Complement Pathway Activation

306 IFN-\(\gamma\)- and IL-5-Producing Cells Compartmentalize to Different Lymphoid Organs in Trichinella spiralis-Infected Mice

312 Sequence and Immunogenicity of the 70-kDa Heat Shock Protein of Mycobacterium leprae

320 Definition of an Epitope and MHC Class I Molecule Recognized by Gag-Specific Cytotoxic T Lymphocytes in SIVmac-Infected Rhesus Monkeys

330 Immune Response to Schistosoma mansoni Infections in Inbred Rats. VII. Resistance is Contingent on OX-8-Regulated High Affinity IL-2 Receptor-Bearing W3/25+ Lymphocytes but Not on IL-4-Dependent Cells

Alveolar Macrophage Activation in Experimental Legionellosis

Continued on page 6
Experimental Onchocerciasis in Chimpanzees. Cell-Mediated Immune Responses, and Production and Effects of IL-1 and IL-2 with Onchocerca volvulus Infection

Identification of a Neutralization Epitope on the Envelope gp46 Antigen of Human T Cell Leukemia Virus Type I and Induction of Neutralizing Antibody by Peptide Immunization

D. Eilat and R. Fischel

Recurrent Utilization of Genetic Elements in V Regions of Antinucleic Acid Antibodies from Autoimmune Mice

Y. Kaufmann, E. Tseng, and T. A. Springer

Cloning of the Murine Lymphocyte Function-Associated Molecule-1 α-Subunit and Its Expression in COS Cells

L. R. Smith, D. H. Kono, and A. N. Theofilopoulos

Complexity and Sequence Identification of 24 Rat Vβ Genes

Letter to the Editor

380

Author Index

1