Contents

CELLULAR IMMUNOLOGY

D. Tartof and F. W. Fitch 1086 Kinetics of CTL Induction by Concanavalin A
M. Okada, T. Kishimoto, T. Igarashi, T. Teranishi, and Y. Yamamura 1097 LPS-or 8Br-Cyclic AMP-Induced Production of T Cell-Activating Factor(s) in Macrophage Tumor Cell Line J774.1
F. Lemonnier, M. Mescher, L. Sherman, and S. Burakoff 1114 The Induction of Cytolytic T Lymphocytes with Purified Plasma Membranes
G. Berke, R. Tzur, and M. Inbar 1378 Changes in Fluorescence Polarization of a Membrane Probe during Lymphocyte-Target Cell Interaction
H. Y. Tse and R. W. Dutton 1149 Separation of Helper and Suppressor T Lymphocytes. III. Positive and Negative Effects of Mixed Lymphocyte Reaction-Activated T Cells
J. I. Willis-Carr and R. L. St. Pierre 1153 Effects of Vitamin B6 Deficiency on Thymic Epithelial Cells and T Lymphocyte Differentiation
M. Minami, M. Usui, T. Kanno, N. Tamura, and T. Matuhasi 1195 Demonstration of Two Types of Helper T Cells for Different IgG Subclass Responses to Dinitrophenylated Flagellin Polymer
J. J. Kenny, J. E. Merrill, and R. F. Ashman 1233 A Two-Step Centrifugation Procedure for the Purification of Sheep Erythrocyte Antigen-Binding Cells
G. Chu 1261 The Kinetics of Target Cell Lysis by Cytotoxic T Lymphocytes: A Description by Poisson Statistics
S. B. Shurin and T. P. Stossel 1305 Complement (C3)-Activated Phagocytosis by Lung Macrophages

CLINICAL IMMUNOLOGY

E. R. Pearl, L. B. Vogler, A. J. Okos, W. M. Crist, A. R. Lawton III, and M. D. Cooper 1169 B Lymphocyte Precursors in Human Bone Marrow: An Analysis of Normal Individuals and Patients with Antibody-Deficiency States
A. J. Strelkauskas, V. Schauf, B. S. Wilson, L. Chess, and S. F. Schlossman 1278 Isolation and Characterization of Naturally Occurring Subclasses of Human Peripheral Blood T Cells with Regulatory Functions
R. L. Evans, H. Lazarus, A. C. Pente, and S. F. Schlossman 1423 Two Functionally Distinct Subpopulations of Human T Cells that Collaborate in the Generation of Cytotoxic Cells Responsible for Cell-Mediated Lympholysis
J.-F. Delfraissy, P. Galanaud, J. Dormont, and C. Wallon 1283 Primary in Vitro Antibody Response of Human Peripheral Blood Lymphocytes: Role of Phagocytic Mononuclear Cells
D. Santoli, L. Moretta, R. Lisak, D. Gilden, and H. Koprowski 1369 Imbalances in T Cell Subpopulations in Multiple Sclerosis Patients
S. K. Ackerman and S. D. Douglas 1372 Purification of Human Monocytes on Microexudate-Coated Surfaces
G. G. Cornwell Ill, J. B. Natvig, P. Westmark, and G. Husby 1385 Senile Cardiac Amyloid: Demonstration of a Unique Fibril Protein in Tissue Sections
R. E. Rocklin and A. M. Urbano 1409 Human Leukocyte Inhibitory Factor (LIF): Use of Benzoyl L-Arginine Ethyl Ester to Detect LIF Activity
J. K. Seeley and S. H. Golub 1415 Studies on Cytotoxicity Generated in Human Mixed Lymphocyte Cultures. I. Time Course and Target Spectrum of Several Distinct Concomitant Cytotoxic Activities

IMMUNOCHEMISTRY

R. A. Clark and S. J. Klebanoff 1102 Role of the Classical and Alternative Complement Pathways in Chemotaxis and Opsonization: Studies of Human Serum Deficient in C4
G. F. Dancey, T. Yasuda, and S. C. Kinsky 1109 Effect of Liposomal Model Membrane Composition on Immunogenicity
Inactivation of Antigen-Responsive Clones with Antiserum Specific for IgM or IgD

Comparison of the Homogeneous, Primary Anti-Dextran B1355 Antibody Raised in BALB/c Mice with Protein 104E

Measurement of IgE Antibody by an Antigen-Binding Assay: Correlation with PK Activity and IgG and IgA Antibodies to Allergens

Characterization of Murine Colony-Forming B Cells. I. Distribution, Resistance to Anti-Immunoglobulin Antibodies, and Expression of IgA Antigens

Breast Milk IgA Binds to Jejunal Epithelium in Suckling Rats

Heterogeneity, Polypeptide Chain Composition, and Antigenic Reactivity of C3 Nephritic Factor

The Subclass Specificity for the Binding of Murine Myeloma Proteins to Macrophage and Lymphocyte Cell Lines and to Normal Spleen Cells

The Modulation of the Alternative Pathway of Complement in C2-Deficient Human Serum by Changes in Concentration of the Component and Control Proteins

Immune Response to Levan. I. Kinetics and Ontogeny of Anti-levan and Anti-inulin Antibody Response and of Expression of Cross-Reactive Idiotype

Role of T Lymphocytes in Adjuvant Arthritis. II. Different Subpopulations of T Lymphocytes Functioning in the Development of the Disease

Opsonin-Independent Phagocytosis of Activators of the Alternative Complement Pathway by Human Monocytes

Microtubule Assembly and Function in Normal and Glutathione Synthetase-Deficient Polymorphonuclear Leukocytes

The Effects of Phagocytosis, Dextran Sulfate, and Cell Damage on PGE1 Sensitivity and PGE1 Production of Macrophages

Increase of T Lymphocyte Self Reactivity in Aging Inbred Rats: in Vitro Studies with a Model of Experimental Autoimmune Orchitis

Inhibition of in Vivo and in Vitro Neutrophil Responses to Chemotactic Factors by a Competitive Antagonist

Inhibition of Tumor Growth Mediated by Lymphocytes Sensitized in Vitro to a Syngeneic Murine Teratocarcinoma 402AX
Continued from page 3

F. Takei, J. G. Levy, and D. G. Kilburn

A. M. Dvorak, A. B. Connell, K. Proppe, and H. F. Dvorak

B. Schechter, S. Segal, and M. Feldman

C. R. Carpenter, A. S. Rubin, and H. R. Bose, Jr.

V. L. Scofield and H. R. Bose, Jr.

K. D. Elgert and W. L. Farrar

W. L. Farrar and K. D. Elgert

Characterization of a Soluble Factor That Specifically Suppresses the in Vitro Generation of Cells Cytotoxic for Syngeneic Tumor Cells in Mice

Immunologic Rejection of Mammary Adenocarcinoma (TA3-St) in C57BL/6 Mice: Participation of Neutrophils and Activated Macrophages with Fibrin Formation

Generation of Suppressor Lymphocytes during Sensitization in Culture against A Syngeneic Tumor: Affinity Chromatography on Insolubilized Histamine

Suppression of the Mitogen-Stimulated Blastogenic Response during Reticuloendotheliosis Virus-Induced Tumorogenesis: Investigations into the Mechanism of Action of the Suppressor

Depression of Mitogen Response in Spleen Cells from Reticuloendotheliosis Virus-Infected Chickens and Their Suppressive Effect on Normal Lymphocyte Responses

Suppressor Cell Activity in Tumor-Bearing Mice. I. Dualistic Inhibition by Suppressor T Lymphocytes and Macrophages

Suppressor Cell Activity in Tumor-Bearing Mice. II. Inhibition of DNA Synthesis and DNA Polymerases by TBH Splenic Suppressor Cells

---

VIRAL AND MICROBIAL IMMUNOLOGY

W. Gerhard

N. N. Pearsall, B. L. Adams, and R. Bunni

D. G. Colley, F. A. Lewis, and R. W. Goodgame

W. Gerhard, Y. Iwasaki, and H. Koprowski

M. J. Buchmeier and M. B. A. Oldstone

The Analysis of the Monoclonal Immune Response to Influenza Virus. III. The Relationship between Stimulation of Virus-Primed Precursor B Cells by Heterologous Viruses and Reactivity of Secreted Antibodies

Immunologic Responses to Candida albicans. III. Effects of Passive Transfer of Lymphoid Cells or Serum on Murine Candidiasis

Immune Responses during Human Schistosomiasis Mansoni. IV. Induction of Suppressor Cell Activity by Schistosome Antigen Preparations and Concanavalin A

The Central Nervous System-Associated Immune Response to Parainfluenza Type I Virus in Mice

Virus-Induced Immune Complex Disease: Identification of Specific Viral Antigens and Antibodies Deposited in Complexes during Chronic Lymphocytic Chorimeningitis Virus Infection

Announcements 1443

Errata 1445

Author Index 1446