Contents

CELLULAR IMMUNOLOGY

2529 Suppressor Cell-Inducing Factor: A New Lymphokine Secreted by a Natural Suppressor Cell Line with Natural Cytotoxic Activity. I. Purification to Apparent Homogeneity and Initial Characterization of Suppressor Cell-Inducing Factor

J. D. Ashwell, M. K. Jenkins, and R. H. Schwartz
2536 Effect of Gamma Radiation on Resting B Lymphocytes II. Functional Characterization of the Antigen-Presentation Defect

P. E. Jensen
2545 Protein Synthesis in Antigen Processing

K. M. McNagny, P.-A. Cazenave, and M. D. Cooper
2551 BP-3 Alloantigen: A Cell Surface Glycoprotein that Marks Early B Lineage Cells and Mature Myeloid Lineage Cells in Mice

R. Testi, J. H. Phillips, and L. Lanier
2557 Constitutive Expression of a Phosphorylated Activation Antigen (LEU 23) by CD3+ Human Thymocytes

2564 Inverse Relationship between Proliferation and Differentiation in a Human TNP-Specific B Cell Line: Cell Cycle Dependence of Antibody Secretion

J. F. Bohnsack and N. R. Cooper
2569 CR2 Ligands Modulate Human B Cell Activation

J. D. Dasgupta, S. Watkins, H. Slayer, and E. J. Yunis
2577 Receptor-Like Nature of Class I HLA: Endocytosis via Coated Pits

L. C. Eisenlohr, W. Gerhard, and C. J. Hackett
2581 Individual Class II-Restricted Antigenic Determinants of the Same Protein Exhibit Distinct Kinetics of Appearance and Persistence on Antigen-Presenting Cells

C. E. Grier, III and A. M. Mastro
2585 Lectin-Induced Phosphatidylinositol Metabolism in Lymphocytes Is Potentiated by Macrophages

J. B. Vine, T. D. Geppert, and P. E. Lipsky
2593 T4 Cell Activation by Immobilized Phytohemagglutinin: Differential Capacity to induced IL-2 Responsiveness and IL-2 Production

E. Azuma and J. Kaplan
2601 Role of Lymphokine-Activated Killer Cells as Mediators of Veto and Natural Suppression

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

2607 Impairment of in vitro Natural Antibacterial Activity in HIV-Infected Patients

2612 Soluble IL-2 Receptor in Rheumatoid Arthritis: Correlation with Disease Activity, and IL-1 and IL-2 Inhibition

T. Lapidot, T. S. Singer, O. Salomon, A. Terenzi, E. Schwartz, and Y. Reisner
2619 Booster Irradiation to the Spleen Following Total Body Irradiation: A New Immunosuppressive Approach for Allogeneic Bone Marrow Transplantation

A. Bendelac, C. Boitard, P. Bedossa, H. Bazin, J.-F. Bach, and C. Carnaud
2625 Adoptive T-Cell Transfer of Autoimmune Nonobese Diabetic Mouse Diabetes does not Require Recruitment of Host B-Lymphocytes

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

S. M. Laster, J. G. Wood, and L. R. Gooding
2629 Tumor Necrosis Factor can Induce Both Apoptotic and Necrotic Forms of Cell Lysis

Continued on page 4
M. Ho, H. K. Webster, B. Green, S. Loaeresuwan, S. Kong-charoen, and N. J. White
M. S. Bronze, D. S. McKinsey, E. H. Beachey, and J. B. Dale

Molecular Biology • Molecular Genetics

K. A. Gollahon, J. Hagman, R. L. Brinster, and U. Storb
L. R. Hall, M. Streuli, S. F. Schlossman, and H. Saito
C. A. Pennell, L. W. Arnold, G. Haughton, and S. H. Clarke
D. Simmons and B. Seed
C. A. Gratzmacher, M. W. Robertson, and F.-T. Liu
K. Huppé, B. A. Mock, J. Hilgers, J. Kochan, and J.-P. Kinet
J. Santos-Agudo, J. A. Barbosa, P. A. Biro, and J. L. Strominger

2755
Defective Production of and Response to IL-2 in Acute Human Falciparum Malaria
2760
Human Monoclonal Antibodies Reactive with Antigens of the Group A Streptococcus and Human Heart
2767
Protective Immunity Evoked by Locally Administered Group A Streptococcal Vaccines in Mice

Tumor Immunology

R. Yoshida, S. W. Park, H. Yasui, and O. Takikawa
M. Giovarelli, A. Santoni, C. Jemma, T. Musso, A. M. Giuffrida, S. Landolfo, and G. Forni
J. M. Derocq, P. Casellas, G. Laurent, S. Ravel, H. Vidal, and F. Jansen
E. K. Brightman, K. G. Chandy, R. H. Spencer, S. Gupta, P. K. Pattengale, and H. Fan
T. Y. Basham, E. R. Race, M. J. Campbell, T. R. Reid, R. Levy, and T. C. Merigan
L. Jaso-Friedmann, D. L. Evans, C. C. Grant, A. St. John, D. T. Harris, and H. S. Koren

2771
Igα-Producing B Cells do not Show Feedback Inhibition of Gene Rearrangement
2781
Complete Exon-Intron Organization of the Human Leukocyte Common Antigen (CD45) Gene
2788
Restricted Ig Variable Region Gene Expression Among Ly-1+ B Cell Lymphomas
2797
Isolation of a cDNA Encoding CD33, a Differentiation Antigen of Myeloid Progenitor Cells
2801
IgE-Binding Protein: Subcellular Location and Gene Expression in Many Murine Tissues and Cells
2811
Molecular Characterization of Serologic Recognition Sites in the Human HLA-A2 Molecule

Letters to the Editor

Tryptophan Degradation in Transplanted Tumor Cells Undergoing Rejection
IL-4 is an Endogenous T Cell Growth Factor During the Immune Response to a Syngeneic Retrovirus-Induced Tumor
Obligatory Role of IFN-γ in Induction of Lymphokine-Activated and T Lymphocyte Killer Activity, but not in Boosting of Natural Cytotoxicity
Comparison of the Cytotoxic Potency of T101 Fab, F(ab')2 and Whole IgG Immunotoxins
Characterization of Lymphoid Tumors Induced by a Recombinant Murine Retrovirus Carrying the Avian v-myc Oncogene: Identification of Novel (B-lymphoid) Tumors in the Thymus
Synergistic Antitumor Activity with IFN and Monoclonal Anti-Idiotype for Murine B Cell Lymphoma: Mechanism of Action
Characterization by Monoclonal Antibodies of a Target Cell Antigen Complex Recognized by Nonspecific Cytotoxic Cells

ERRATUM

Author Index