Contents

COMMUNICATION

H. M. Johnson, J. K. Russell, and B. A. Torres 3053 Second Messenger Role of Arachidonic Acid and Its Metabolites in Interferon-γ Production

CELLULAR IMMUNOLOGY

J. R. Gnarra and V. H. Engelhard 3057 Derivation of Cytotoxic T Cell Lines that Express T Cell Receptor But Exhibit Reversible Loss of Stable Antigen Binding
T. D. Geppert and P. E. Lipsky 3063 Accessory Cell-T Cell Interactions Involved in Anti-CD3-Induces T4 and T8 Cell Proliferation: Analysis with Monoclonal Antibodies
K. P. Kane and W. R. Clark 3080 Class I MHC Antigens in the Generation and Expression of Promiscuous Cytotoxic Cell Function
S. A. McCarthy and A. Singer 3087 Recognition of MHC Class I Allodeterminants Regulates the Generation of MHC Class II-Specific CTL
V. C. Maino and M. E. Janszen 3093 Monoclonal Antibodies, L-35 and L-36. Define Novel T Cell Activation Antigens
T. Iwasaki, H. Fujiiwara, T. Iwasaki, and G. M. Shearer 3100 Loss of Proliferative Capacity and T Cell Immune Development Potential by Bone Marrow from Mice Undergoing a Graft-vs-Host Reaction
F. T. Hakim and G. M. Shearer 3109 Abrogation of Hybrid Resistance to Bone Marrow Engraftment by Graft-vs-Host-Induced Immune Deficiency
J. I. Krieger, R. W. Chesnut, and H. M. Grey 3117 Capacity of B Cells to Function as Stimulators of a Primary Mixed Leukocyte Reaction
F. Uber and H. B. Dickler 3124 Cooperativity between B Lymphocyte Membrane Molecules: Independent Ligand Occupancy and Cross-Linking of Antigen Receptors and Fcy Receptors Down-Regulates B Lymphocyte Function
A. H. Lucas and S. M. Asser 3130 The Type-Specific Capsular Carbohydrate of Hemophilus influenzae B is a Potent Mitogen for Murine B Lymphocytes
R. M. DeShambo and K. A. Krollick 3135 Selective In Vitro Inhibition of an Antibody Response to Purified Acetycholine Receptor by Using Anti-Idiotype Antibodies Coupled to the A Chain of Ricin
M. Zanetti, D. Glotz, and J. Rogers 3140 Perturbation of the Autoimmune Network. II. Immunization with Isoologous Idiotype Induces Auto-Anti-Idiotype Antibodies and Suppresses the Autoantibody Response Elicited by Antigen: A Serologic and Cellular Analysis

CLINICAL IMMUNOLOGY IMMUNOPATHOLOGY

M. Peters, J. L. Ambrus, A. Zheleznyak, D. Walling, and J. H. Hoofnagle 3153 Effect of Interferon-α on Immunoglobulin Synthesis by Human B Cells

Continued on page 4
Continued from page 3


R. I. Fox, G. Pearson, and J. H. Vaughan 3162 Detection of Epstein-Barr Virus-Associated Antigens and DNA in Salivary Gland Biopsies from Patients with Sjogren’s Syndrome

J. M. Lemire and W. O. Weigle 3169 Passive Transfer of Experimental Allergic Encephalomyelitis by Myelin Basic Protein-Specific L3T4+ T Cell Clones Possessing Several Functions

T. Nakagawa, N. Nakagawa, H. Goldstein, D. J. Volkman, and A. S. Fauci 3175 Demonstration that Human B Cells Respond Differently to Interleukin 2 and B Cell Differentiation Factor Based on Their Stages of Maturation

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

K. Matsushima, J. Yodoi, Y. Tagaya, and J. J. Oppenheim 3183 Down-Regulation of Interleukin-1 (IL-1) Receptor Expression by IL-1 and Fate of Internalized 125I-Labeled IL-1β in a Human Large Granular Lymphocyte Cell Line

P. J. Knudsen, C. A. Dinarello, and T. B. Strom 3189 Prostaglandins Posttranscriptionally Inhibit Monocyte Expression of Interleukin-1 Activity by Increasing Intracellular Cyclic Adenosine Monophosphate

R. C. Howe, J. W. Lowenthal, and H. R. MacDonald 3195 Role of Interleukin-1 in Early T Cell Development: Lyt-2+ L3T4+ Thymocytes Bind and Respond in Vitro to Recombinant IL-1

A. Galelli and L. Chedid 3201 A Short Synthetic Peptide Fragment of Human Interleukin-1 with Immunostimulatory But Not Inflammatory Activity

G. Antoni, R. Presentini, F. Ghiaera, S. Censini, G. Volpini, L. Villa, and D. Boraschi 3205 Recombinant IL-2 But Not Recombinant γ-Interferon Stimulates Both Proliferation and IgM Secretion in a Ly-1+ Clone of Neoplastic Murine B Cells (BCL)1

K. H. Brooks and E. S. Vitetta 3211 Induction of Colony-Stimulating Activity (CSA) by a Synthetic Muramyl Peptide (MDP): Synergism with LPS and Activity in C3H/HeJ Mice and in Endotoxin-Tolerized Mice

A. Galelli and L. Chedid 3216 Binding and Mitogenic Properties of a Galactosyl-Specific Lectin from the Tunicate Didemnum candidum for Murine Thymocytes and Splenocytes


A. Galelli and L. Chedid 3231 Monocyte Procoagulant Inducing Factor: A Lymphokine Involved in the T Cell-Instructed Monocyte Procoagulant Response to Antigen

IMMUNOCHEMISTRY

G. Ortega, P. E. Korty, E. M. Shevach, and T. R. Malek 3240 Role of Ly-6 in Lymphocyte Activation. I. Characterization of a Monoclonal Antibody to a Non-Polymorphic Ly-6 Specificity


L. E. Samelson, A. M. Weissman, F. A. Robey, I. Berkower, and R. D. Klausner 3254 Characterization of an Anti-Peptide Antibody that Recognizes the Murine Analogue of the Human T Cell Antigen Receptor-T3 β-Chain

N. Dana, B. Styrt, J. D. Griffin, R. F. Todd III, M. S. Klemperer, and M. A. Arnaout 3259 Two Functional Domains in the Phagocyte Membrane Glycoprotein M01 Identified with Monoclonal Antibodies

M. Umeda, I. Diego, and D. M. Marcus 3264 The Occurrence of Anti-3-Fucosyllactosamine Antibodies and Their Cross-reactive Idiotopes in Preimmune and Immune Mouse Sera

M. J. Janusz, K. F. Austen, and J. K. Czop 3270 Isolation of Soluble Yeast β-Glucans that Inhibit Human Monocyte Phagocytosis Mediated by β-Glucan Receptors

Continued on page 5
IMMUNOPHARMACOLOGY

J. T. O'Flaherty, R. L. Wykle, J. Redman, M. Samuel, and M. Thomas

D. J. Schrier and K. M. Imre


T. Matsubara and M. Ziff

J. A. Ledbetter, M. Parsons, P. J. Martin, J. A. Hansen, P. S. Rabinovitch, and C. H. June

3277 Metabolism of 5-Hydroxyicosatetraenoate by Human Neutrophils: Production of a Novel $\omega$-Oxidized Derivative

3284 The Effects of Adenosine Agonists on Human Neutrophil Function

3290 Enhancement of Human Eosinophil Cytotoxicity and Leukotriene Synthesis by Biosynthetic (Recombinant) Granulocyte-Macrophage Colony-Stimulating Factor

3295 Increased Superoxide Anion Release from Human Endothelial Cells in Response to Cytokines

3299 Antibody Binding to CD5 (Tp67) and Tp44 T Cell Surface Molecules: Effects on Cyclic Nucleotides, Cytoplasmic Free Calcium, and cAMP-Mediated Suppression

MICROBIAL IMMUNOLOGY

M. Robert-Guroff, M. S. Reitz, Jr., W. G. Robey, and R. C. Gallo

A. Weinberg, T. Y. Basham, and T. C. Merigan

B. S. Bhogal, H. Y. Tse, E. B. Jacobson, and D. M. Schmatz

J. J. Wirth and F. Kierszenbaum

3306 In Vitro Generation of an HTLV-III Variant by Neutralizing Antibody

3310 Regulation of Guinea-Pig Immune Functions by Interleukin 2: Critical Role of Natural Killer Activity in Acute HSV-2 Genital Infection

3318 Chicken T Lymphocyte Clones with Specificity for Eimeria tenella. I. Generation and Functional Characterization

3326 Stimulatory Effects of Retinoic Acid on Macrophage Interaction with Blood Forms of Trypanosoma cruzi: Involvement of Transglutaminase Activity

MOLECULAR BIOLOGY • MOLECULAR GENETICS


B. R. Blazar, C. C. B. Soderling, and D. A. Vallera

D. Aragnol, B. Malissen, C. Schiff, M.-A. Piron, and Lee D. Leserman

S. M. Zurawski, T. R. Mosmann, M. Benedik, and G. Zurawski

3332 Regulation of Class II Gene Expression: Analysis in B Cell Stimulatory Factor 1-Inducible Murine Pre-B Cell Lines

3338 Assessment of Multi-Organ System Engraftment by Genotypic Typing Using Restriction Fragment-Length Polymorphisms and by Phenotypic Typing Using a Microcytotoxicity Assay

3347 Endocytosis of MHC Molecules by B Cell-B Lymphoma and B Cell-T Lymphoma Hybrids

3354 Alterations in the Amino-Terminal Third of Mouse Interleukin 2: Effects on Biological Activity and Immunoreactivity

TUMOR IMMUNOLOGY


3361 Potentiation of the in Vitro Cytotoxicity of Chlorambucil by Monoclonal Antibodies

3367 Analysis of Deficiencies in IFN-$\gamma$-Mediated Priming for Tumor Cytotoxicity in Peritoneal Macrophages from A/J Mice

Announcements 3372

Author Index 3373