Contents

CELLULAR IMMUNOLOGY

V. Bažil and V. Hořejší 747 Shedding of the CD44 Adhesion Molecule from Leukocytes Induced by Anti-CD44 Monoclonal Antibody Simulating the Effect of a Natural Receptor Ligand

S. Ceman, R. Rudersdorf, E. O. Long, and R. Demars 754 MHC Class II Deletion Mutant Expresses Normal Levels of Transgene Encoded Class II Molecules that Have Abnormal Conformation and Impaired Antigen Presentation Ability

S.-S. A. Chen, G. Li, E. Pearlman, and W.-H. Chen 762 Dual Mechanisms of Potentiation of Murine Antigen-Specific IgE Production by Cyclosporin A in Vitro

S.-S. A. Chen, G. Li, E. Pearlman, and W.-H. Chen 768 Expression, Molecular Association, and Functions of C3 Complement Receptors CR1 (CD35) and CR2 (CD21) on the Human T Cell Line HPB-ALL

A. H. M. Galy and H. Spits 775 CD40 Is Functionally Expressed on Human Thymic Epithelial Cells

J. M. Greer, V. K. Kuchroo, R. A. Sobel, and M. B. Lees 783 Identification and Characterization of a Second Encephalitogenic Determinant of Myelin Proteolipid Protein (Residues 178–191) for SJL Mice

J. M. Greer, V. K. Kuchroo, R. A. Sobel, and M. B. Lees 789 Breaking T Cell Tolerance with Foreign and Self Co-Immunogens: A Study of Autoimmune B and T Cell Epitopes of Cytochrome c

F. Manca 796 Selective Functional Depletion of HIV gp120 Peptides Complexed with MHC from Antigen-Presenting Cells Engaged with Specific T Lymphocytes

M. J. Mamula, R.-H. Lin, C. A. Janeway, Jr., and J. A. Hardin 801 Role of I-A Molecules in Early Stages of B Cell Maturation

N. Miki, M. Hatano, K. Wakita, S. Imoto, S. Nishikawa, S.-I. Nishikawa, and T. Tokuhisa 808 Different Subsets of T Cells in the Adult Mouse Bone Marrow and Spleen Induce or Suppress Acute Graft-versus-Host Disease

V. Palathumpat, S. Dejbakhsh-Jones, B. Holm, and S. Strober 818 Selective Proliferation of γδ T Lymphocytes Exposed to High Doses of Ionomycin

MOLECULAR AND STRUCTURAL IMMUNOLOGY

T. C. Chiles and T. L. Rothstein 825 Surface Ig Receptor-Induced Nuclear AP-1-Dependent Gene Expression in B Lymphocytes

L. E. Daitch, M. W. Moore, D. M. Persiani, J. M. Durdik, and E. Selsing 832 Transcription and Recombination of the Murine RS Element


W. Kasinrerk, E. Fiebiger, I. Stefanová, T. Baumruker, W. Knapp, and H. Stockinger 847 Human Leukocyte Activation Antigen M6, a Member of the Ig Superfamily, Is the Species Homologue of Rat OX-47, Mouse Basigin, and Chicken HT7 Molecule

A. Mansikkka 855 Chicken IgA H Chains: Implications Concerning the Evolution of H Chain Genes

H. Nishikata, C. Oliver, S. E. Mergenhagen, and R. P. Sriragavan 862 The Rat Mast Cell Antigen AD1 (Homologue to Human CD63 or Melanoma Antigen ME 491) Is Expressed in Other Cells in Culture


Continued on page 5
W. H. Robinson, H. Ying, M. C. Miceli, and J. R. Parnes
H. P. Smith, P. Nguyen, D. L. Woodland, and M. A. Blackman
Z.-S. Ye, J.-P. Kinet, and W. E. Paul

880 Extensive Polymorphism in the Extracellular Domain of the Mouse B Cell Differentiation Antigen Lyb-2/CD72
887 T Cell Receptor α-Chain Influences Reactivity to Mls-1 in Vβ8.1 Transgenic Mice
897 Structure of the Gene for the α-Chain of the Mouse High Affinity Receptor for IgE (FceRI)

IMMUNE MODULATION

L. Chiodetti and R. H. Schwartz
G. Gehr, R. Gentz, M. Brockhaus, H. Loetscher, and W. Lesslauer
E. Orino, S. Sone, A. Nii, and T. Ogura

901 Induction of Competence to Respond to IL-4 by CD4+ T Helper Type 1 Cells Requires Costimulation
911 Both Tumor Necrosis Factor Receptor Types Mediate Proliferative Signals in Human Mononuclear Cell Activation
918 Granulocyte Colony-Stimulating Factor Treatment Protects Rodents against Lipo polysaccharide-Induced Toxicity via Suppression of Systemic Tumor Necrosis Factor-α
925 IL-4 Up-Regulates IL-1 Receptor Antagonist Gene Expression and Its Production in Human Blood Monocytes

HOST DEFENSE

T. Hennet, H. J. Ziltener, D. K. Frei, and E. Peterhaas
M. Kuroki, M. Nakamura, Y. Itoyama, Y. Tanaka, H. Shiraki, E. Baba, T. Esaki, T. Tatsumoto, S. Nagafuchi, S. Nakano, and Y. Niho
L. Pond, D. L. Wassom, and C. E. Hayes

932 A Kinetic Study of Immune Mediators in the Lungs of Mice Infected with Influenza A Virus
940 Identification of New Epitopes Recognized by Human Monoclonal Antibodies with Neutralizing and Antibody-Dependent Cellular Cytotoxicity Activities Specific for Human T Cell Leukemia Virus Type 1
949 Immunoregulation in Cancer-Bearing Hosts: Down-Regulation of Gene Expression and Cytotoxic Function in CD8+ T Cells
957 Influence of Resistant and Susceptible Genotype, IL-1, and Lymphoid Organ on Trichinella spiralis-Induced Cytokine Secretion
966 Naturally Acquired CD8+ Cytotoxic T Lymphocytes against the Plasmodium falciparum Circumsporozoite Protein
972 Discrepancy between in Vitro Measurable and in Vivo Virus Neutralizing Cytotoxic T Cell Reactivities: Low T Cell Receptor Specificity and Avidity Sufficient for in Vitro Proliferation or Cytotoxicity to Peptide-Coated Target Cells but not for in Vivo Protection
981 Cross-Protection against Influenza Virus Infection Afforded by Trivalent Inactivated Vaccines Inoculated Intranasally with Cholera Toxin B Subunit

Continued on page 7
### INFLAMMATION

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>989</td>
<td>Human Neutrophil FcγRIIIB and Formyl Peptide Receptors Are Functionally Linked during Formyl-Methionyl-Leucyl-Phenylalanine-Induced Chemotaxis</td>
</tr>
<tr>
<td>998</td>
<td>Cross-Linking of Sialophorin (CD43) Induces Neutrophil Aggregation in a CD18-Dependent and a CD18-Independent Way</td>
</tr>
<tr>
<td>1004</td>
<td>Myelosuppressive Effects in Vivo of Purified Recombinant Murine Macrophage Inflammatory Protein-1α</td>
</tr>
<tr>
<td>1010</td>
<td>An Immunosuppressive Retrovirus-Derived Hexapeptide Interferes with Intracellular Signaling in Monocytes and Granulocytes through N-Formylpeptide Receptors</td>
</tr>
<tr>
<td>1016</td>
<td>Priming of the Respiratory Burst of Bone Marrow-Derived Macrophages Is Associated with an Increase in Protein Kinase C Content</td>
</tr>
<tr>
<td>1023</td>
<td>Salmonella typhimurium Porins Stimulate Platelet-Activating Factor Synthesis by Human Polymorphonuclear Neutrophils</td>
</tr>
<tr>
<td>1031</td>
<td>Certain Inhibitors of Protein Serine/Threonine Kinases also Inhibit Tyrosine-Phosphorylation of Phospholipase Cγ1 and Other Proteins and Reveal Distinct Roles for Tyrosine Kinase(s) and Protein Kinase C in Stimulated Rat Basophilic RBL-2H3 Cells</td>
</tr>
</tbody>
</table>

### CLINICAL IMMUNOLOGY

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1039</td>
<td>Identification of a Thyroidotogenic Sequence within the Thyroglobulin Molecule</td>
</tr>
<tr>
<td>1045</td>
<td>Collagen-Induced Arthritis in Rats: Examination of the Epitope Specificities of Circulating and Cartilage-Bound Antibodies Produced by Outbred and Inbred Rats Using Cyanogen Bromide-Derived Peptides Purified from Heterologous and Homologous Type II Collagens</td>
</tr>
<tr>
<td>1054</td>
<td>IL-1 Receptor Antagonist Protein Production and Gene Expression in Rheumatoid Arthritis and Osteoarthritis Synovium</td>
</tr>
<tr>
<td>1063</td>
<td>Anticardiolipin Antibodies in NZW × BXSB F1 Mice: A Model of Antiphospholipid Syndrome</td>
</tr>
<tr>
<td>1069</td>
<td>Evidence for the Existence of Two Parallel Differentiation Pathways in the Thymus of MRL lpr/lpr Mice</td>
</tr>
<tr>
<td>1075</td>
<td>Ig μ-λ Isotype Switch in IL-4-Treated Human B Lymphoblastoid Cells: Evidence for a Sequential Switch</td>
</tr>
<tr>
<td>1086</td>
<td>Circumvention of the Induction of Resistance in Murine Experimental Autoimmune Thyroiditis by Recombinant IL-1β</td>
</tr>
<tr>
<td>1093</td>
<td>Novel Human Autoantibodies Reactive with 5′-Terminal Trimethylguanosine Cap Structures of U Small Nuclear RNA</td>
</tr>
<tr>
<td>1099</td>
<td>Selective Breeding of Miniature Swine Leads To An Increased Rate of Acceptance of MHC-Identical, but not of Class I-Disparate, Renal Allografts</td>
</tr>
<tr>
<td>1104</td>
<td>Rheumatoid Factors from Patients with Rheumatoid Arthritis React with β2-Microglobulin</td>
</tr>
</tbody>
</table>

**Letter to the Editor**

**Author Index**

Page 1113

Page 1114