Contents

CELLULAR IMMUNOLOGY


T. Kaisho, T. Nagasawa, T. Kishimoto, and H. Kikutani

D. López, S. Rojo, V. Calvo, and J. A. López de Castro

I. F. Luescher, J. A. López, B. Malissen, and J.-C. Cerottini

M. Merkenschlager and A. G. Fisher

M. T. Michalek, B. Benacerraf, and K. L. Rock

N. Ramesh, F. Spertini, P. Scholl, and R. Geha

M. Röcken, J.-H. Saurat, and C. Hauser

J. Sen, P. Bossu, S. J. Burakoff, and A. K. Abbas

W. C. A. Van Schooten, T. Maiore, K. R. Jones, and L. Paiborsky

983 A Murine CD4\(^{-}\), CD8\(^{-}\) T Cell Receptor-\(\gamma\delta\) T Lymphocyte Clone Specific for Herpes Simplex Virus Glycoprotein I

989 A Stromal Cell-Specific Monoclonal Antibody Augments the Stromal Cell-Dependent B Lymphopoiesis

996 Peptide-Presenting Similarities among Functionally Distant HLA-B27 Subtypes Revealed by Alloreactive T Lymphocytes of Unusual Specificity

1003 Interaction of Antigenic Peptides with MHC Class I Molecules on Living Cells Studied by Photoaffinity Labeling

1012 Human Postnatal Thymocytes Generate Phenotypically Immature CD3\(^{\text{dim}}\), CD5\(^{\text{dim}}\), CD1a\(^{\text{bright}}\) Progeny in Organ Culture

1025 A Toxic Shock Syndrome Toxin-1 Peptide that Shows Homology to Mycobacterial Heat Shock Protein 18 Is Presented as Conventional Antigen to T Cells by Multiple HLA-DR Alleles

1031 A Common Precursor for CD4\(^{-}\) T Cells Producing IL-2 or IL-4

1037 T Cell Surface Molecules Regulating Noncognate B Lymphocyte Activation: Role of CD2 and LFA-1

1043 Purified HLA Class II Peptide Complexes Can Induce Adherence and Activation of Peptide-Specific Human T Cell Clones

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

D. K. Bishop and W. Li

R. C. Budd, J. Q. Russell, N. van Houten, S. M. Cooper, H. Yagita, and J. Wolfe

R. Carlsson, C. Mårtensson, S. Kalliomäki, M. Ohlin, and C. A. Korberbaek

C. Cowing and G. L. Gilmore


1049 Cyclosporin A and FK506 Mediate Differential Effects on T Cell Activation in Vivo

1055 CD2 Expression Correlates with Proliferative Capacity of \(\alpha\delta^{+}\) or \(\gamma\delta^{+}\) CD4\(^{-}\)CD8\(^{-}\) T Cells in lpr Mice

1065 Human Peripheral Blood Lymphocytes Transplanted into SCID Mice Constitute an in Vivo Culture System Exhibiting Several Parameters Found in a Normal Humoral Immune Response and Are a Source of Immunocytes for the Production of Human Monoclonal Antibodies

1072 Allogeneic Chimerism in scid Mice after Neonatal Transfer of Bone Marrow Antibody against the Leu-CAM \(\beta\)-Chain (CD18) Promotes Both LFA-1- and CR3-Dependent Adhesion Events

1080 IL-4 Induces Adherence of Human Eosinophils and Basophils but not Neutrophils to Endothelium: Association with Expression of VCAM-1

Continued on page 5
1093 Role of LFA-1 and VLA-4 in the Adhesion of Cloned Normal and LFA-1 (CD11/CD18)-Deficient T Cells to Cultured Endothelial Cells: Indication for a New Adhesion Pathway

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

A. Celada and R. A. Maki
1102 Transforming Growth Factor-β Enhances the M-CSF and GM-CSF-Stimulated Proliferation of Macrophages

Y.-H. Chin, J.-P. Cai, and X.-M. Xu
1106 Transforming Growth Factor-β1 and IL-4 Regulate the Adhesiveness of Peyer’s Patch High Endothelial Venule Cells for Lymphocytes

1110 Stimulation of Human Monocytes via CD45, CD44, and LFA-3 Triggers Macrophage-Colony-Stimulating Factor Production: Synergism with Lipopolysaccharide and IL-1β

R. A. Mufson, J. Szabo, and D. Eckert
1119 Neutrophil Chemotactic Factors Promote Leukocytosis: A Common Mechanism for Cellular Recruitment from Bone Marrow

M. A. Jagels and T. E. Hugli
1125 Human IL-3 Induction of c-jun in Normal Monocytes Is Independent of Tyrosine Kinase and Involves Protein Kinase C

A. Celada, R. A. Maki, and L. Huijbens
1136 IL-7 Receptor Mediates Tyrosine Phosphorylation but Does not Activate the Phosphatidylinositol-Phospholipase C-γ1 Pathway

K. Taga and G. Tosato
1143 IL-10 Inhibits Human T-Cell Proliferation and IL-2 Production

IMMUNOCHEMISTRY

M. S. Co, N. M. Avdalovic, P. C. Caron, M. V. Avdalovic, D. A. Scheinberg, and C. Queen
1149 Chimeric and Humanized Antibodies with Specificity for the CD33 Antigen

W. H. Hildebrand, J. A. Madrigal, A. M. Little, and P. Parham
1155 HLA-Bw22: A Family of Molecules with Identity to HLA-B7 in the α1-Helix

D. F. Snider
1163 Immunization with Antigen Bound to Bispecific Antibody Induces Antibody that Is Restricted in Epitope Specificity and Contains Antidiotypic

IMMUNOPHARMACOLOGY

Y. Buchmüller-Rouiller, S. Betz-Corradin, and J. Mauel
1171 Differential Effects of Prostaglandins on Macrophage Activation Induced by Calcium Ionophore A23187 or IFN-γ

1176 Expression of Human IL-1β in Salmonella typhimurium: A Model System for the Delivery of Recombinant Therapeutic Proteins in Vivo

R. Chatelain, K. Varkila, and R. L. Coffman
1182 IL-4 Induces a Th2 Response in Leishmania major-Infected Mice

M. Olivier, K. G. Baimbridge, and N. E. Reiner
1188 Stimulus-Response Coupling in Monocytes Infected with Leishmania: Attenuation of Calcium Transients is Related to Defective Agonist-Induced Accumulation of Inositol Phosphates

Continued on page 7
Continued from page 5


<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1197</td>
<td>Comparative Study of the T Cell Response to Two Allelic Forms of a Malarial Vaccine Candidate Protein</td>
</tr>
<tr>
<td>1205</td>
<td>Microanatomic Clonality of γδ T Cells in Human Leishmaniasis Lesions</td>
</tr>
</tbody>
</table>

MOLECULAR BIOLOGY • MOLECULAR GENETICS

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1212</td>
<td>Two Regions of the H-2 D3 Promoter Are Responsive to Dimethylsulfoxide in Line 1 Cells by a Mechanism Distinct From IFN-γ</td>
</tr>
<tr>
<td>1222</td>
<td>Activation of Cytokine Genes in HIV-1 Infected Myelomonoblastic Cells by Phorbol Ester and Tumor Necrosis Factor</td>
</tr>
<tr>
<td>1230</td>
<td>Developmental Regulation of Dβ Reading Frame and Junctional Diversity in T Cell Receptor-β Transcripts from Human Thymus</td>
</tr>
<tr>
<td>1240</td>
<td>Analysis of the AP-1 Sites in the IL-2 Promoter</td>
</tr>
<tr>
<td>1251</td>
<td>Plasma Cell-Regulated Polyadenylation at the Igγ2b Secretion-Specific Poly(A) Site</td>
</tr>
<tr>
<td>1261</td>
<td>Characterization of Complementary DNA Clones Encoding the Rabbit IL-8 Receptor</td>
</tr>
<tr>
<td>1265</td>
<td>Differential Expression of Related HLA Class II Dqβ Genes Caused by Nucleotide Variation in Transcriptional Regulatory Elements</td>
</tr>
<tr>
<td>1274</td>
<td>The cDNA Structure, Expression, and chromosomal Assignment of the Mouse Fas Antigen</td>
</tr>
</tbody>
</table>

TUMOR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1280</td>
<td>Monocyte Chemotactic Cytokine Gene Transfer Modulates Macrophage Infiltration, Growth, and Susceptibility to IL-2 Therapy of a Murine Melanoma</td>
</tr>
</tbody>
</table>

Letter to the Editor 1286
Announcement 1286
Author Index i