This information is current as of April 14, 2017.

145 (5)

*J Immunol* 1990; 145:1295-1632;
http://www.jimmunol.org/content/145/5.citation

**Subscription**  Information about subscribing to *The Journal of Immunology* is online at:  http://jimmunol.org/subscription

**Permissions** Submit copyright permission requests at:  http://www.aai.org/About/Publications/JI/copyright.html

**Email Alerts** Receive free email-alerts when new articles cite this article. Sign up at:  http://jimmunol.org/alerts
Contents

CELLULAR IMMUNOLOGY


M. Eto, H. Mayumi, Y. Tomita, Y. Yoshikai, Y. Nishimura, and K. Nomoto

A. Ezquerra, R. G. Cron, T. J. McConnell, R. B. Valas, J. A. Bluestone, and J. E. Coligan

L. C. Gahring and W. O. Weigle

S. C. Jameson, J. Kaye, and N. R. J. Gascoigne

M. Kotb, G. Majumdar, M. Tomai, and E. H. Beachey


C. Leclerc, M.-P. Schutze, E. Deriaud, and G. Przewlocki

P. Machy, J.-P. Bizozzero, H. Reggio, and L. Leserman

J. Martorell, I. Rojo, R. Vilella, E. Martinez-Caceres, and J. Vives

M. A. Nieto, A. González, A. López-Rivas, F. Diaz-Espada, and F. Gambón

R. L. Mosley, D. Styre, and J. R. Klein

P. J. Whiteley, N. J. Poindexter, C. Landon, and J. A. Kapp

P. Yachelini, I. Falk, and K. Eichmann

1295 Differences in the Expression Profiles of CD45RB, Pgp-1, and 3G11 Membrane Antigens and in the Patterns of Lymphokine Secretion by Splenic CD4+ T Cells from Young and Aged Mice

1303 Sequential Mechanisms of Cyclophosphamide-Induced Skin Allograft Tolerance Including the Intrathymic Clonal Deletion Followed by Late Breakdown of the Clonal Deletion

1311 T Cell Receptor β-Gene Expression and Diversity in the Mouse Spleen

1318 The Regulatory Effects of Cytokines on the Induction of a Peripheral Immunologic Tolerance in Mice

1324 A T Cell Receptor Va Region Selectively Expressed in CD4+ Cells

1332 Accessory Cell-Independent Stimulation of Human T Cells by Streptococcal M Protein Superantigen

1337 Cross-Linking Fc Receptors on Monocyte Triggers IL-6 Production: Role in Anti-CD3-Induced T Cell Activation

1343 The in Vivo Elimination of CD4+ T Cells Prevents the Induction but Not the Expression of Carrier-Induced Epitopic Suppression

1350 Endocytosis and Recycling of MHC-Encoded Class II Molecules by Mouse B Lymphocytes

1356 CD27 Induction on Thymocytes

1364 IL-2 Protects against Anti-CD3-Induced Cell Death in Human Medullary Thymocytes

1369 Differentiation and Functional Maturation of Bone Marrow-Derived Intestinal Epithelial T Cells Expressing Membrane T Cell Receptor in Athymic Radiation Chimeras

1376 A Peripheral Mechanism Preserves Self-Tolerance to a Secreted Protein in Transgenic Mice

1382 Deviations in Thymocyte Development Induced by Divalent and Monovalent Ligation of the α/β T Cell Receptor and by Its Cross-Linking to CD8

CLINICAL IMMUNOLOGY - IMMUNOPATHOLOGY

R. P. Lauener, R. S. Geha, and D. Vercelli


1390 Engagement of the Monocyte Surface Antigen CD14 Induces Lymphocyte Function-Associated Antigen-1/Intercellular Adhesion Molecule-1-Dependent Homotypic Adhesion

1395 Inhibition of Type 1 Diabetes in BB Rats with Recombinant Human Tumor Necrosis Factor-α

Continued on page 4
Continued from page 3

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

E. A. Clark and G. Shu

1400 Association between IL-6 and CD40 Signaling: IL-6 Induces Phosphorylation of CD40 Receptors


1407 Down-Regulation of IL-2 Production by Activation of T Cells Through Ly-6A/E

C. Lucas, L. N. Bald, B. M. Fendly, M. Mora-Worms, I. S. Figari, E. J. Patzer, and M. A. Palladino

1415 The Autocrine Production of Transforming Growth Factor-β during Lymphocyte Activation: A Study with a Monoclonal Antibody-Based ELISA


1423 Lymphokine-Regulated Differential Expression of mRNA for p75kDa-IL-2R in a Cloned B Lymphoma Line (BLC7-CL-3 Cells)


1430 Stimulation of α-Adrenergic Receptor Augments the Production of Macrophage-Derived Tumor Necrosis Factor


1435 IL-4 Inhibits the Expression of IL-8 from Stimulated Human Monocytes

**IMMUNOCHEMISTRY**

M. Budisavljevic, P. M. Ronco, and P. J. Verroust

1440 Angiotensin II (All)-Related Idiotypic Network. III. Comparative Analysis of Idiotopes and Paratopes Borne by Monoclonal Antibodies Raised against All (AB1) and its Internal Image (AB3)

L. Cardenas, A. C. Carrera, E. Yague, R. Pulido, F. Sanchez-Madrid, and M. O. de Landazuri

1450 Phosphorylation-Dephosphorylation of the CD6 Glycoprotein Renders Two Isoforms of 130 and 105 Kilodaltons: Effect of Serum and Protein Kinase C Activators

H. D. Hunt, J. K. Pullen, R. F. Dick, J. A. Bluestone, and L. R. Pease

1456 Structural Basis of Rbmin Alloreactivity: Amino Acid Substitutions on the β-Pleated Floor of the Antigen Recognition Site

M. B. Raizman, K. F. Austen, and H. R. Katz

1463 Mast Cell Heterogeneity: Differential Synthesis and Expression of Glycosphingolipids by Mouse Serosal Mast Cells as Compared to IL-3-Dependent Bone Marrow Culture-Derived Mast Cells before or after Coculture with 3T3 Fibroblasts


1469 Peptides Generated from C-Reactive Protein by a Neutrophil Membrane Protease: Amino Acid Sequence and Effects of Peptides on Neutrophil Oxidative Metabolism and Chemotaxis

M. van de Rijn, I. L. Weissman, and M. Siegelman

1477 Biosynthesis Pathway of gp90Mel-14, the Mouse Lymph Node-Specific Homing Receptor

**IMMUNOPHARMACOLOGY**

R. I. Connor, L. Shen, and M. W. Fanger

1483 Evaluation of the Antibody-Dependent Cytotoxic Capabilities of Individual Human Monocytes: Role of FcγRI and FcγRII and the Effects of Cytokines at the Single Cell Level

K. J. Einspahr, R. T. Abraham, C. J. Dick, and P. J. Leibson

1490 Protein Tyrosine Phosphorylation and p56^ck Modification in IL-2 or Phorbo| Ester-Activated Human Natural Killer Cells

P. J. Leibson, D. E. Midthun, K. P. Windebank, and R. T. Abraham

1498 Transmembrane Signaling during Natural Killer Cell-Mediated Cytotoxicity: Regulation by Protein Kinase C Activation

L. M. Flebbe, S. K. Chapes, and D. C. Morrison

1505 Activation of C3H/HeJ Macrophage Tumoricidal Activity and Cytokine Release by R-Chemotype Lipopolysaccharide Preparations: Differential Effects of IFN-γ

Y. Kalechman, M. Albeck, M. Oron, D. Sobelman, M. Gurwith, S. N. Seghal, and B. Sredni

1512 Radioprotective Effects of the Immunomodulator AS101

Continued on page 5
Continued from page 4

J. C. Kirchheimer, B. R. Binder, and H. G. Remold
J. B. Lefkowitz, A. Morrison, V. Lee, and M. Rogers
V. L. Shepherd, R. Abdolrasulnia, M. Garrett, and H. B. Cowan
P. Zanovello, V. Bronte, A. Rosato, P. Pizzo, and F. Di Virgilio

Matrix-Bound Plasminogen Activator Inhibitor Type 1 Inhibits the Invasion of Human Monocytes into Interstitial Tissue
Manipulation of the Acute Inflammatory Response by Dietary Polyunsaturated Fatty Acid Modulation
Down-Regulation of Mannose Receptor Activity in Macrophages after Treatment with Lipopolysaccharide and Phorbol Esters
Adenosine and Related Compounds Counteract Tumor Necrosis Factor-α Inhibition of Neutrophil Migration: Implication of a Novel Cyclic AMP-Independent Action on the Cell Surface
Responses of Mouse Lymphocytes to Extracellular ATP. II. Extracellular ATP Causes Cell Type-Dependent Lysis and DNA Fragmentation

MICROBIAL IMMUNOLOGY

K. F. Colina, F. B. Perler, I. Matsumura, M. Meda, and T. B. Nutman
J. A. Londono, H. Gras-Masse, C. Dubaue, A. Tartar, and P. Druilhe
S. G. Reed, K. H. Grabstein, D. L. Pihi, and P. J. Morrissey
R. Taghi-Kilani, L. Sekla, and K. T. HayGlass

The Identification of an Onchocerca-Specific Recombinant Antigen Containing a T Cell Epitope
Secondary Structure and Immunogenicity of Hybrid Synthetic Peptides Derived from Two Plasmodium falciparum Pre-Erythrocytic Antigens
Recombinant Granulocyte-Macrophage Colony-Stimulating Factor Restores Deficient Immune Responses in Mice with Chronic Trypanosoma cruzi Infections
The Role of Humoral Immunity in Cryptosporidium spp. Infection: Studies in Infections with B Cell-Depleted Mice

MOLECULAR BIOLOGY • MOLECULAR GENETICS

F. Mauxion, M. G. Pray, and R. Sen
J. D. Mountz, J. F. Mushinski, J. D. Owens, and F. D. Finkelman
T. V. Rajan, L. F. Moffat, and W. N. Frankel
L. Ramakrishnan, Q. Wu, A. Yue, M. D. Cooper, and N. Rosenberg

Multiple Nuclear Factors Interact with Sequences within the Jβ2-Cβ2 Intron of the Murine T Cell Receptor β-Chain Gene
The in Vivo Generation of Murine IgD-Secreting Cells Is Accompanied by Deletion of the Cμ Gene and Occasional Deletion of the Gene for the Cε1 Domain
Rate and Mechanism of Generation of β2-Microglobulin Mutants from a Heterozygous Murine Cell Line
EP-1/6C3 Expression Defines a Differentiation Stage of Transformed Pre-B Cells and Is Not Related to Malignant Potential
Identification of a New Vκ Gene Family That Is Highly Expressed in Hybridomas from an Autoimmune Mouse Strain

TUMOR IMMUNOLOGY

R. B. Alexander and S. A. Rosenberg
E. Gorelik, G. Jay, B. Kwiatkowski, and R. B. Herberman

Long Term Survival of Adoptively Transferred Tumor-Infiltrating Lymphocytes in Mice
Increased Sensitivity to MHC-Nonrestricted Lysis of BL6 Melanoma Cells by Transfection with Class I H-2Kb Gene

Author Index