



This information is current as
of August 11, 2022.

Why *The JI*? Submit online.

- **Rapid Reviews! 30 days*** from submission to initial decision
- **No Triage!** Every submission reviewed by practicing scientists
- **Fast Publication!** 4 weeks from acceptance to publication

**average*

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

- D. N. Ernst, M. V. Hobbs, B. E. Torbett, A. L. Glasebrook, M. A. Rehse, K. Bottomly, K. Hayakawa, R. R. Hardy, and W. O. Weigle 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
- M. Eto, H. Mayumi, Y. Tomita, Y. Yoshikai, Y. Nishimura, and K. Nomoto 1303 Sequential Mechanisms of Cyclophosphamide-Induced Skin Allograft Tolerance Including the Intrathymic Clonal Deletion Followed by Late Breakdown of the Clonal Deletion
- A. Ezquerra, R. G. Cron, T. J. McConnell, R. B. Valas, J. A. Bluestone, and J. E. Coligan 1311 T Cell Receptor δ -Gene Expression and Diversity in the Mouse Spleen
- L. C. Gahring and W. O. Weigle 1318 The Regulatory Effects of Cytokines on the Induction of a Peripheral Immunologic Tolerance in Mice
- S. C. Jameson, J. Kaye, and N. R. J. Gascoigne 1324 A T Cell Receptor V α Region Selectively Expressed in CD4⁺ Cells
- M. Kotb, G. Majumdar, M. Tomai, and E. H. Beachey 1332 Accessory Cell-Independent Stimulation of Human T Cells by Streptococcal M Protein Superantigen
- J. Krutmann, R. Kirnbauer, A. Köck, T. Schwarz, E. Schöpf, L. T. May, P. B. Sehgal, and T. A. Luger 1337 Cross-Linking Fc Receptors on Monocyte Triggers IL-6 Production: Role in Anti-CD3-Induced T Cell Activation
- C. Leclerc, M.-P. Schutze, E. Deriaud, and G. Przewlocki 1343 The *in vivo* Elimination of CD4⁺ T Cells Prevents the Induction but Not the Expression of Carrier-Induced Epitopic Suppression
- P. Machy, J.-P. Bizozzero, H. Reggio, and L. Leserman 1350 Endocytosis and Recycling of MHC-Encoded Class II Molecules by Mouse B Lymphocytes
- J. Martorell, I. Rojo, R. Vilella, E. Martinez-Caceres, and J. Vives 1356 CD27 Induction on Thymocytes
- M. A. Nieto, A. González, A. López-Rivas, F. Diaz-Espada, and F. Gambón 1364 IL-2 Protects against Anti-CD3-Induced Cell Death in Human Medullary Thymocytes
- R. L. Mosley, D. Styre, and J. R. Klein 1369 Differentiation and Functional Maturation of Bone Marrow-Derived Intestinal Epithelial T Cells Expressing Membrane T Cell Receptor in Athymic Radiation Chimeras
- P. J. Whiteley, N. J. Poindexter, C. Landon, and J. A. Kapp 1376 A Peripheral Mechanism Preserves Self-Tolerance to a Secreted Protein in Transgenic Mice
- P. Yachelini, I. Falk, and K. Eichmann 1382 Deviations in Thymocyte Development Induced by Divalent and Monovalent Ligand 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
- J. Satoh, H. Seino, S. Shintani, S.-I. Tanaka, T. Ohteki, T. Masuda, T. Nobunaga, and T. Toyota 1395 Inhibition of Type 1 Diabetes in BB Rats with Recombinant Human Tumor Necrosis Factor- α

Continued on page 4

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 |
| E. K. Codias, J. E. Rutter, T. J. Fleming, and T. R. Malek | 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_1 during Lymphocyte Activation: A Study with a Monoclonal Antibody-Based ELISA |
| K. Nakanishi, K. Matsui, S. Hirose, T. Yoshimoto, K. Hiroishi, T. Kono, T. Hada, T. Hammaoka, and K. Higashino | 1423 | Lymphokine-Regulated Differential Expression of mRNA for p75kDa-IL-2R in a Cloned B Lymphoma Line (BLC ₁ -CL-3 Cells) |
| R. N. Spengler, R. M. Allen, D. G. Remick, R. M. Strieter, and S. L. Kunkel | 1430 | Stimulation of α -Adrenergic Receptor Augments the Production of Macrophage-Derived Tumor Necrosis Factor |
| T. J. Standiford, R. M. Strieter, S. W. Chensue, J. Westwick, K. Kasahara, and S. L. Kunkel | 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 (AII)-Related Idiotypic Network. III. Comparative Analysis of Idiotopes and Paratopes Borne by Monoclonal Antibodies Raised against AII (AB1) and its Internal Image (AB3) |
| L. Cardenas, A. C. Carrera, E. Yague, R. Pulido, F. Sánchez-Madrid, and M. O. de Landázuri | 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 K ^b _{m8} 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 |
| E. G. Shephard, R. Anderson, O. Rosen, M. S. Myer, M. Fridkin, A. F. Strachan, and F. C. de Beer | 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 gp90 ^{MEL-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 Fc γ RI and Fc γ RII 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 ^{lck} Modification in IL-2 or Phorbol 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 |

- J. C. Kirchheimer, B. R. Binder, and H. G. Remold 1518 Matrix-Bound Plasminogen Activator Inhibitor Type 1 Inhibits the Invasion of Human Monocytes into Interstitial Tissue
- J. B. Lefkowitz, A. Morrison, V. Lee, and M. Rogers 1523 Manipulation of the Acute Inflammatory Response by Dietary Polyunsaturated Fatty Acid Modulation
- V. L. Shepherd, R. Abdolrasulnia, M. Garrett, and H. B. Cowan 1530 Down-Regulation of Mannose Receptor Activity in Macrophages after Treatment with Lipopolysaccharide and Phorbol Esters
- G. W. Sullivan, J. Linden, E. L. Hewlett, H. T. Carper, J. B. Hylton, and G. L. Mandell 1537 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
- P. Zanovello, V. Bronte, A. Rosato, P. Pizzo, and F. Di Virgilio 1545 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 1551 The Identification of an *Onchocerca*-Specific Recombinant Antigen Containing a T Cell Epitope
- J. A. Londoño, H. Gras-Masse, C. Dubeaux, A. Tartar, and P. Druilhe 1557 Secondary Structure and Immunogenicity of Hybrid Synthetic Peptides Derived from Two *Plasmodium falciparum* Pre-Erythrocytic Antigens
- S. G. Reed, K. H. Grabstein, D. L. Pihl, and P. J. Morrissey 1564 Recombinant Granulocyte-Macrophage Colony-Stimulating Factor Restores Deficient Immune Responses in Mice with Chronic *Trypanosoma cruzi* Infections
- R. Taghi-Kilani, L. Sekla, and K. T. HayGlass 1571 The Role of Humoral Immunity in *Cryptosporidium* spp. Infection: Studies with B Cell-Depleted Mice

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- F. Mauxion, M. G. Pray, and R. Sen 1577 Multiple Nuclear Factors Interact with Sequences within the *J β 2-C β 2* Intron of the Murine T Cell Receptor β -Chain Gene
- J. D. Mountz, J. F. Mushinski, J. D. Owens, and F. D. Finkelman 1583 The in Vivo Generation of Murine IgD-Secreting Cells Is Accompanied by Deletion of the *C μ* Gene and Occasional Deletion of the Gene for the *C δ 1* Domain
- C. A. Pennell, E. Maynard, L. W. Arnold, G. Haughton, and S. H. Clarke 1592 High Frequency Expression of S107 V_H Genes by Peritoneal B Cells of B10.H-2^aH-4^bP/WTS Mice
- T. V. Rajan, L. F. Moffat, and W. N. Frankel 1598 Rate and Mechanism of Generation of β_2 -Microglobulin Mutants from a Heterozygous Murine Cell Line
- L. Ramakrishnan, Q. Wu, A. Yue, M. D. Cooper, and N. Rosenberg 1603 BP-1/6C3 Expression Defines a Differentiation Stage of Transformed Pre-B Cells and Is Not Related to Malignant Potential
- R. Shefner, R. Mayer, A. Kaushik, P. D'Eustachio, C. Bona, and B. Diamond 1609 Identification of a New V_k Gene Family That Is Highly Expressed in Hybridomas from an Autoimmune Mouse Strain

TUMOR IMMUNOLOGY

- R. B. Alexander and S. A. Rosenberg 1615 Long Term Survival of Adoptively Transferred Tumor-Infiltrating Lymphocytes in Mice
- E. Gorelik, G. Jay, B. Kwiatkowski, and R. B. Herberman 1621 Increased Sensitivity to MHC-Nonrestricted Lysis of BL6 Melanoma Cells by Transfection with Class I H-2K^b Gene
- Author Index 1633