This information is current as of July 25, 2017.

145 (8)

J Immunol 1990; 145:2375-2773; ;
http://www.jimmunol.org/content/145/8.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

---

*The Journal of Immunology* is published twice each month by  
The American Association of Immunologists, Inc.,  
1451 Rockville Pike, Suite 650, Rockville, MD 20852  
All rights reserved.  
Print ISSN: 0022-1767 Online ISSN: 1550-6606.
Contents

CELLULAR IMMUNOLOGY

E. D. Anastassiou, H. Yamada, M. L. Francis, J. J. Mond, and G. C. Tsokos
2375 Effects of Cholera Toxin on Human B Cells: Cholera Toxin Induces B Cell Surface DR Expression while It Inhibits Anti-β Antibody-Induced Cell Proliferation

L. H. Brent, J. L. Butler, W. T. Woods, Jr., and J. K. Bubien
2381 Transmembrane Ion Conductance in Human B Lymphocyte Activation

A. Funaro, G. C. Spagnoli, C. M. Ausiello, M. Alessio, S. Ragonero, D. Delia, M. Zaccolo, and F. Malavasi
2390 Involvement of the Multilineage CD38 Molecule in a Unique Pathway of Cell Activation and Proliferation

A. Galelli and B. Charlot
2397 Clonal Anergy of Memory B Cells in Epitope-Specific Regulation

G. R. Harriman, N. Y. Lycke, L. J. Elwood, and W. Strober
2406 T Lymphocytes That Express CD4 and the αβ-T Cell Receptor but Lack Thy-1: Preferential Localization in Peyer's Patches

C. J. Hickman, J. A. Crim, H. J. Elwood, and W. Strober
2415 Regulation of Human Cytotoxic T Lymphocyte Development by IL-7

2421 CD8+ Suppressor T Cell Clone Capable of Inhibiting the Antigen- and Anti-T Cell Receptor-Induced Proliferation of Th Clones without Cytolytic Activity

S. A. Minchin, D. Leitenberg, L. L. Stunz, and T. L. Feldbush
2427 Polyclonal Activation of Rat B Cells. II. Dextran Sulfate as a Cofactor in Mitogen-Induced and Antigen-Induced Differentiation of Rat B Lymphocytes

M. E. Munk, A. J. Gatrill, and S. H. E. Kaufmann
2434 Target Cell Lysis and IL-2 Secretion by γ/δ T Lymphocytes after Activation with Bacteria

J. L. Rabinowitz, V. K. Tsiagbe, M. Nicknam, and G. J. Thorbecke
2440 Germinal Center Cells are a Major IL-5-Responsive B Cell Population in Peripheral Lymph Nodes Engaged in the Immune Response

L. E. Samelson, M. C. Fletcher, J. A. Ledbetter, and C. H. June
2448 Activation of Tyrosine Phosphorylation in Human T Cells via the CD2 Pathway: Regulation by the CD45 Tyrosine Phosphatase

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

M. Cogne and J.-L. Preud'Homme
2455 Gene Deletions Force Nonsecretory α-Chain Disease Plasma Cells to Produce Membrane-Form α-Chain Only

2459 Augmentation of Monocyte Chemotaxis by 1α,25-Dihydroxyvitamin D3: Stimulation of Defective Migration of AIDS Patients

2465 In Vivo Effects of Anti-IL-4 Monoclonal Antibody on Neonatal Induction of Tolerance and on an Associated Autoimmune Syndrome

J. D. Sedgwick, C. C. Hughes, D. K. Male, I. A. M. MacPhee, and V. T. Meuleen
2474 Antigen-Specific Damage to Brain Vascular Endothelial Cells Mediated by Encephalitogenic and Nonencephalitogenic CD4+ T Cell Lines in Vitro

T. T. Yokoyama, S. Moriya, C. Gotob, J. Hayakawa, H. Ishikawa, K. Saizawa, and M. Nagashima
2482 Loss of Epidermal Integrity by T Cell-Mediated Attack Induces Long Term Local Resistance to Subsequent Attack. II. Thymus Dependency in the Induction of the Resistance

Z. J. Zhang, C. S. Y. Lee, O. Lider, and H. L. Weiner
2489 Suppression of Adjuvant Arthritis in Lewis Rats by Oral Administration of Type II Collagen

Continued on page 4
Continued from page 3

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

C. Druez, P. Coulie, C. Uyttenhove, and J. Van Snick

**Functional and Biochemical Characterization of Mouse P40/IL-9 Receptors**


**IL-3 Promotes Production of IL-4 by Splenic Non-B, Non-T Cells in Response to Fc Receptor Cross-Linkage**

A. W. Taylor, N.-O. Ku, and R. F. Mortensen

**Regulation of Cytokine-Induced Human C-Reactive Protein Production by Transforming Growth Factor-β**

S. M. Wahl, J. B. Allen, H. L. Wong, S. F. Dougherty, and L. R. Ellingsworth

**Antagonistic and Agonistic Effects of Transforming Growth Factor-β and IL-1 in Rheumatoid Synovium**

**IMMUNOCHEMISTRY**

S. Bordin, B. Ghebrehiwet, and R. C. Page

**Participation of Clq and Its Receptor in Adherence of Human Diploid Fibroblast**

C. Horgan, K. Brown, and S. H. Pincus

**Alteration in H Chain V Region Affects Complement Activation by Chimeric Antibodies**

S.-V. Kaveri, R. Haipern, C.-Y. Kang, and H. Kohler

**Self-Binding Antibodies (Autobodies) Form Specific Complexes in Solution**

R. B. Raybourne and K. M. Williams

**Monoclonal Antibodies Against an HLA-B27-Derived Peptide React with an Epitope Present on Bacterial Proteins**

F. Young, L. Tucker, D. Rubinstein, T. Guillaume, J. Andre-Schwartz, K. J. Barrett, R. S. Schwartz, and T. Logtenberg

**An Idiotype Shared by Monoclonal Antibodies to Different Peptides of Human Myelin Basic Protein**

**IMMUNOPHARMACOLOGY**

E. J. Carolan and T. B. Casale

**Degree of Platelet Activating Factor-Induced Neutrophil Migration Is Dependent upon the Molecular Species**

R. A. Gottlieb, E. S. Kleinerman, C. A. O'Brien, S. Tsuimoto, G. J. Cianciolo, and W. J. Lennarz

**Inhibition of Protein Kinase C by a Peptide Conjugate Homologous to a Domain of the Retroviral Protein p15E**

R. Islesketh, T. A. Moore, G. R. Pennington, G. A. Smith, and J. C. Metcalfe

**Analysis of the Primary Signals Required for Activation of the Mitogenic Pathway in Murine Thymocytes from Protein Phosphorylation Patterns**

C. Kroegel, M. A. Giembycz, and P. J. Barnes

**Characterization of Eosinophil Cell Activation by Peptides: Differential Effects of Substance P, Melittin, and FMET-Leu-Phe**

T. W. Kuiperse, B. C. Hakkert, J. A. van Mourik, and D. Roos

**Distinct Adhesive Properties of Granulocytes and Monocytes to Endothelial Cells under Static and Stirred Conditions**

R. Levy, D. Rotrosen, D. Nagauer, T. L. Leto, and H. L. Malech

**Induction of the Respiratory Burst in HL-60 Cells: Correlation of Function and Protein Expression**

B. Mazer, K. L. Clay, H. Renz, and E. W. Gelfand

**Platelet-Activating Factor Enhances Ig Production in B Lymphoblastoid Cell Lines**

J. T. Mcculll, S. G. Slade, G. Weissmann, R. Winchester, and J. P. Buyon

**Two Pathways of CD11b/CD18-Mediated Neutrophil Aggregation with Different Involvement of Protein Kinase C-Dependent Phosphorylation**

R. Minakuchi, M. C. Wacholtz, L. S. Davis, and P. E. Lipsky

**Delineation of the Mechanism of Inhibition of Human T Cell Activation by PGE2**

J. N. Moy, G. J. Gleich, and L. L. Thomas

**Noncytotoxic Activation of Neutrophils by Eosinophil Granule Major Basic Protein: Effect on Superoxide Anion Generation and Lysosomal Enzyme Release**

Continued on page 5
S. Nourshargh and T. J. Williams


MICROBIAL IMMUNOLOGY

S. Engelhorn, A. Bruckner, and H. G. Remold

H. E. Gendelman, L. Baca, J. Turpin, D. C. Kalter, B. Hansen, J. M. Orenstein, C. Diefenbach, R. M. Friedman, and M. S. Melitzer


S. L. James, K. W. Cook, and J. K. Lazdins

C. M. Rzepczyk, P. A. Csurhes, R. Lord, and H. Matile

M. J. Stadecker, J. K. Kamisato, and S. M. Chikunguwo

MOLECULAR BIOLOGY • MOLECULAR GENETICS

D. T. Boumpas, E. D. Anastassiou, G. C. Tsokos, G. Thymopoiisis, and J. E. Balow

L. A. D'Hoostelaere and D. Klinman

M. G. Fitts and D. W. Metzger


H. D. Jeong and J. M. Teale

B. Koppelman and P. Cresswell

M. D. Miller, S. D. Wilson, M. E. Dorf, H. N. Seuanez, S. J. O'Brien, and M. S. Krangel

S. D. Wilson, V. K. Kuchroo, D. I. Israel, and M. E. Dorf

E. H. Sasso, K. W. van Dijk, and E. C. B. Milner

2633 Evidence that a Receptor-Operated Event on the Neutrophil Mediates Neutrophil Accumulation in Vivo: Pretreatment of 111In-Neutrophils with Pertussis Toxin in Vitro Inhibits their Accumulation in Vivo

2639 Inhibition of Neutrophil Migration by Tumor Necrosis Factor: Ex Vivo and In Vivo Studies in Comparison with in Vitro Effect

2644 Prostaglandin E₂ Promotes IL-4-Induced IgE and IgG1 Synthesis

2652 Identification of a Cathepsin G-Like Proteinase in the MC₁, Type of Human Mast Cell

2662 A Soluble Factor Produced by Inoculation of Human Monocytes with Leishmania donovani Promastigotes Suppresses IFN-γ-Dependent Monocyte Activation

2669 Regulation of HIV Replication in Infected Monocytes by IFN-α: Mechanisms for Viral Restriction

2677 Synthetic Peptides Containing T and B Cell Epitopes from Human Immunodeficiency Virus Envelope gp120 Induce Anti-HIV Proliferative Responses and High Titers of Neutralizing Antibodies in Rhesus Monkeys

2686 Activation of Human Monocyte-Derived Macrophages to Kill Schistosomula of Schistosoma mansoni in Vitro

2691 Synthetic Peptide Immunogens Eliciting Antibodies to Plasmodium falciparum Sporozoite and Merozoite Surface Antigens in H-2a and H-2b Mice

2697 Induction of T Helper Cell Unresponsiveness to Antigen by Macrophages from Schistosomal Egg Granulomas: A Basis for Immunomodulation in Schistosomiasis?

2701 Gene Transcription during in Vitro Activation of Human B Lymphocytes with Staphylococcus aureus Cowan I Strain

2706 Characterization of New Mouse V₅ Groups

2713 Identification of Rabbit Genomic Ig-V₅ Pseudogenes That Could Serve as Donor Sequences for Latent Allotype Expression

2718 A V₅-J₅ Junctional Change in an Antidigoxin Recombinant Antibody Destroys Digoxin-Binding Activity

2725 Contribution of the CD5⁺ B Cell to D-Proximal V₅ Family Expression Early in Ontogeny

2730 Rapid Nonlysosomal Degradation of Assembled HLA Class II Glycoproteins Incorporating a Mutant DR α-Chain

2737 Sequence and Chromosomal Location of the I-309 Gene: Relationship to Genes Encoding a Family of Inflammatory Cytokines

2745 Expression and Characterization of TCA3: A Murine Inflammatory Protein

2751 Prevalence and Polymorphism of Human V₅,3 Genes
Murine Monoclonal Anti-Idiotype Antibody as a Potential Network Antigen for Human Carcinoembryonic Antigen

IL-2-PE40 Prevents the Development of Tumors in Mice Injected with IL-2 Receptor Expressing EL4 Transfectant Tumor Cells