Get to Know the Immunologists Behind the Papers You Read

The Journal of Immunology

This information is current as of January 20, 2018.

146 (12)

J Immunol 1991; 146:4055-4433; ;
http://www.jimmunol.org/content/146/12.citation

Why The JI?

• Rapid Reviews! 30 days* from submission to initial decision
• No Triage! Every submission reviewed by practicing scientists
• Speedy 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

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

M. Croft and S. L. Swain

D. De Ruyscher, H. Sobis, M. Vandeputte, and M. Waer


S. Jayaraman, N. Mensi, D. R. Webb, and M. E. Dorf

P. E. Korty, C. Brando, and E. M. Shevach

P.-J. Linton, A. Rudie, and N. R. Klinman

A. Risso, D. Smilovich, M. C. Capra, I. Baldissarro, G. Yan, A. Bargellesi, and M. E. Cosulich

R. G. Titus

V. Udhyakumar, L. Kuman, and B. Subbarao

4055 B Cell Response to Fresh and Effector T Helper Cells: Role of Cognate T-B Interaction and the Cytokines IL-2, IL-4, and IL-6

4065 A Subset of Asialo GM1+ Cells Play a Protective Role in the Occurrence of Graft-versus-Host Disease in Mice

4071 Germinal Center B Cells and Antibody Production in the Bone Marrow

4078 Identification of a Novel Human Thymocyte Subset with a Phenotype of CD3- CD4+ CD8α+β- : Possible Progeny of the CD3- CD4- CD8- Subset

4085 Involvement of Protein Kinase C in Competence Induction of Macrophages to Generate T Suppressor Cells

4092 CD59 Functions as a Signal-Transducing Molecule for Human T Cell Activation

4099 Tolerance Susceptibility of Newly Generating Memory B Cells

4105 CD69 in Resting and Activated T Lymphocytes: Its Association with a GTP Binding Protein and Biochemical Requirements for Its Expression

4115 Colchicine Is a Potent Adjuvant for Eliciting T Cell Responses

4120 The Involvement of Avidity on Signaling Murine B Lymphocytes with Monoclonal Anti-IgM Antibodies: Effects on B Cell Proliferation versus Growth Inhibition (Tolerance) of an Immature B Cell Lymphoma

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY


W. F. Davidson, C. Calkins, A. Hugin, T. Giese, and K. L. Holmes

A. F. Kavaunagh, E. Lightfoot, P. E. Lipsky, and N. Oppenheimer-Marks

C. Knoebloch, S. F. Goldmann, and W. Friedrich


B. A. E. Vandekerckhove, J. F. Krowka, J. M. McCune, J. E. de Vries, H. Spits, and M. G. Roncarolo

S. A. Weston and C. R. Parish

4130 Immunity to Type XI Collagen in Mice: Evidence that the α3[II] Chain of Type XI Collagen and the α1[II] Chain of Type II Collagen Share Arthritogenic Determinants and Induce Arthritis in DBA/1 Mice

4138 Cytokine Secretion by C3H-lpr and -gld T Cells: Hypersecretion of IFN-γ and Tumor Necrosis Factor-α by Stimulated CD4+ T Cells

4149 Role of CD11/CD18 in Adhesion and Transendothelial Migration of T Cells: Analysis Utilizing CD18-Deficient T Cell Clones

4157 Limited T Cell Receptor Diversity of Transplacentally Acquired Maternal T Cells in Severe Combined Immunodeficiency

4165 Protection against Experimental Encephalomyelitis: Idiotype Autoregulation Induced by a Nonencephalitogenic T Cell Clone Expressing a Cross-Reactive T Cell Receptor V Gene

4173 Clonal Analysis of the Peripheral T Cell Compartment of the SCID-hu Mouse

4180 Modification of Lymphocyte Migration by Mannans and Phosphomannans: Different Carbohydrate Structures Control Entry of Lymphocytes into Spleen and Lymph Nodes

Continued on page 4
S. Yoshino, L. G. Cleland, G. Mayrhofer, R. R. Brown, and J. H. Schwab 4187 Prevention of Chronic Erosive Streptococcal Cell Wall-Induced Arthritis in Rats by Treatment with a Monoclonal Antibody against the T Cell Antigen Receptor αβ

<table>
<thead>
<tr>
<th>CYTOKINES ● MEDIATORS ● REGULATORY MOLECULES</th>
</tr>
</thead>
<tbody>
<tr>
<td>K. Akahane, R. B. Cohen, M. Bickel, and D. H. Pluznik 4190 IL-1α Induces Granulocyte-Macrophage Colony-Stimulating Factor Gene Expression in Murine B Lymphocyte Cell Lines via mRNA Stabilization</td>
</tr>
<tr>
<td>K. C. Allison, W. Strober, and G. R. Harriman 4197 Induction of IL-5 Receptors on Normal B Cells by Cross-Linking Surface Ig with Anti-Ig-Dextran</td>
</tr>
<tr>
<td>K. Dorskind 4204 In Vivo Administration of Recombinant Granulocyte-Macrophage Colony-Stimulating Factor Results in a Reversible Inhibition of Primary B Lymphopoeisis</td>
</tr>
<tr>
<td>A. Gayà, O. de la Calle, J. Yague, E. Alsinédez, M. Romero, V. Fabregat, J. Martorell, and J. Vives 4209 IL-4 Inhibits IL-2 Synthesis and IL-2-Induced Up-Regulation of IL-2Rα but not IL-2Rβ Chain in CD4+ Human T Cells</td>
</tr>
<tr>
<td>I. M. Katona, J. F. Urban, Jr., S. S. Kang, W. E. Paul, and F. D. Finkelman 4215 IL-4 Requirements for the Generation of Secondary In Vivo IgE Responses</td>
</tr>
<tr>
<td>A. Vazquez, M. T. Auffredou, P. Galanaud, and G. Leca 4222 Modulation of IL-2- and IL-4-Dependent Human B Cell Proliferation by Cyclic AMP</td>
</tr>
<tr>
<td>K. Zahedi, M. F. Seldin, M. Rits, R. A. B. Ezekowitz, and A. S. Whitehead 4228 Mouse IL-1 Receptor Antagonist Protein: Molecular Characterization, Gene Mapping, and Expression of mRNA in Vitro and in Vivo</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMMUNOCHEMISTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Chonn, P. R. Cullis, and D. V. Devine 4234 The Role of Surface Charge in the Activation of the Classical and Alternative Pathways of Complement by Liposomes</td>
</tr>
<tr>
<td>R. W. Karr, P. Panina-Bordignon, W.-Y. Yu, and A. Lanza Vecchia 4242 Antigen-Specific T Cells with Monogamous or Promiscuous Restriction Patterns Are Sensitive to Different HLA-DRβ Chain Substitutions</td>
</tr>
<tr>
<td>P. H. Kussie, J. M. Anchin, S. Subramaniam, J. A. Glasel, and D. S. Lithicum 4248 Analysis of the Binding Site Architecture of Monoclonal Antibodies to Morphine by Using Competitive Ligand Binding and Molecular Modeling</td>
</tr>
<tr>
<td>C. Nordling, R. Holmdahl, and L. Klareskog 4258 A Monoclonal Anti-idiotypic Antibody with Rheumatoid Factor Activity Defines a Cross-Reactive Idiotope on Murine Anticollagen Antibodies</td>
</tr>
<tr>
<td>S. Rosen-Bronson, W.-Y. Yu, and R. W. Karr 4264 Polymorphic HLA-DR7β1 Chain Residues that Are Involved in T Cell Allorecognition</td>
</tr>
<tr>
<td>V. Stephan, N. Guo, V. Ginsburg, and R. P. Siraganian 4271 Immunoprecipitation of Membrane Proteins from Rat Basophilic Leukemia Cells by the Antiganglioside Monoclonal Antibody AA4</td>
</tr>
<tr>
<td>L. S. Zalman, M. A. Brothers, and K. L. Strauss 4278 Inhibition of Cytolytic Lymphocytes by Homologous Restriction Factor: Lack of Species Restriction</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMMUNOPHARMACOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. J. Brennan, S. H. Zigmond, A. D. Schreiber, E. R. Smith, and F. S. Southwick 4282 Binding of IgG Containing Immune Complexes to Human Neutrophil FcγRII and FcγRIII Induces Actin Polymerization by a Petussis Toxin-Insensitive Transduction Pathway</td>
</tr>
<tr>
<td>E. Onello, A. Traynor-Kaplan, L. Oklar, and R. Terkeltaub 4289 Mechanism of Neutrophil Activation by an Unopsonized Inflammatory Particulate: Monosodium Urate Crystals Induce Pertussis Toxin-Insensitive Hydrolysis of Phosphatidylinositol 4,5-Bisphosphate</td>
</tr>
<tr>
<td>M. Zanetti, L. Litteri, G. Griffiths, R. Gennaro, and D. Romeo 4295 Stimulus-Induced Maturation of Probactenecins, Precursors of Neutrophil Antimicrobial Polypeptides</td>
</tr>
</tbody>
</table>

Continued on page 5
**MICROBIAL IMMUNOLOGY**

D. Binder and T. M. Kündig  
Antiviral Protection by CD8+ versus CD4+ T Cells: CD8+ T Cells Correlating with Cytotoxic Activity in Vitro Are More Efficient in Antivaccinia Virus Protection Than CD4-Dependent IL

A Comparative Study of the Immunogenicity of Pneumococcal Type 4 Polysaccharide and Oligosaccharide Tetanus Toxoid Conjugates in Adult Mice

In Vitro Efficacy of Anti-HIV Immunotoxins Targeted by Various Antibodies to the Envelope Protein

An IgG Human Monoclonal Antibody that Reacts with HIV-1/GP120, Inhibits Virus Binding to Cells, and Neutralizes Infection

P. Vincendeau and S. Daulouede  
Analysis of the Time Course of IFN-γ mRNA and Protein Production during Primary Murine Listeriosis: The Immune Phase of Bacterial Elimination Is Not Temporally Linked to IFN Production in Vivo

**MOLECULAR BIOLOGY • MOLECULAR GENETICS**

J. Caldwell, P. McElhone, J. Brokaw, R. Anker, and B. A. Pollok  
Co-Expression of Full-Length and Truncated Ig μ-Chains in Human B Lymphocytes Results from Alternative Splicing of a Single Primary RNA Transcript

D. L. Farber and D. W. Sears  
Rat CD16 is Defined by a Family of Class III Fcγ Receptors Requiring Co-Expression of Heteroprotein Subunits

H. S. Fox, B. L. Bond, and T. G. Parslow  
Estrogen Regulates the IFN-γ Promoter

U. Gyllensten, M. Sundvall, I. Ezcurra, and H. A. Erlich  
Genetic Diversity at Class II DRB Loci of the Primate MHC

N. J. K. Hole, N. Harindranath, G. O. Young-Cooper, R. Garcia, and R. G. Mage  
Identification of Enhancer Sequences 3′ of the Rabbit Ig κ L Chain Loci

Nucleotide Sequence Analysis of the V Regions of Two IgM cold Agglutinins: Evidence That the Vh4-21 Gene Segment Is Responsible for the Major Cross-Reactive Idiotype

M. A. Robinson  
The Human T Cell Receptor β-Chain Gene Complex Contains at Least 57 Variable Gene Segments: Identification of Six Vβ Genes in Four New Gene Families

E. Stimac, S. Urieli-Shoval, S. Kempin, and D. Pious  
Defective HLA DRA X Box Binding in the Class II Transactive Transcription Factor Mutant 6.1.6 and in Cell Lines from Class II Immunodeficient Patients

Organization and Nucleotide Sequence of the Rat T Cell Receptor β-Chain Complex

**TUMOR IMMUNOLOGY**

T Cells from Tumor-Immune Mice Nonspecifically Expanded in Vitro with Anti-CD3 Plus IL-2 Retain Specific Function in Vitro and Can Eradicate Disseminated Leukemia in Vivo

Continued on page 6
D. M. Ojcius, L. M. Zheng, E. C. Sphicas, A. Zychlinsky, and J. D. Young

Molecular and Functional Analysis of Human Natural Killer Cell-Associated Neural Cell Adhesion Molecule (N-CAM/CAD56)

Subcellular Localization of Perforin and Serine Esterase in Lymphokine-Activated Killer Cells and Cytotoxic T Cells by Immunogold Labeling

Letter to the Editor 4433
Author Index 4434
Ad Hoc Reviewers 4435
Author Index to Volume 146 4440
Subject Index to Volume 146 4450