This information is current as of April 29, 2017.

138 (10)

*J Immunol* 1987; 138:3087-3579; ;
http://www.jimmunol.org/content/138/10.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

J. Goronzy, C. Weyand, J. Imboden, B. Manger, and C. G. Fathman

C. Aussel, D. Mary, and M. Fehlmann

N. Isakov and A. Altman


J. F. Krowka, C. Guidos, A. Sinha, K.-C. Lee, E. Diener, and L. M. PilarSKI

R. C. Budd, J.-C. Cerottini, C. Horvath, C. Bron, T. Pedrazzini, R. C. Howe, and H. R. MacDonALd

G. D. Keizer, J. Borst, W. Visser, R. Schwarting, J. E. de Vries, and C. G. Figdor

R. J. van de Griend, R. L. H. Bolhuis, G. Stoter, and R. C. Roozemand

R. C. Gehrz, S. Fuad, Y.-N. C. Liu, and F. H. Bach

C. Russo, A. Nepo, E. Lanza, M. Igarashi, and S. Ferrone

R. S. Mittler, R. S. Greenfield, B. Z. Schacter, N. F. Richard, and M. K. Hoffmann

P. A. Wentworth and H. K. Ziegler

T. J. Ylikomi, J. J. Isola, J.-M. Gasc, and P. J. Tuohimaa


D. G. Ando, E. E. Sercarz, and B. H. Hahn


R. M. Gorczynski, M. BoulanGER, and C. Lau

3087 Heterogeneity of Signal Requirements in T Cell Activation within a Panel of Human Proliferative T Cell Clones

3094 Prostaglandin Synthesis in Human T Cells: Its Partial Inhibition by Lectins and Anti-CD3 Antibodies as a Possible Step in T Cell Activation

3100 Human T Lymphocyte Activation by Tumor Promoters: Role of Protein Kinase C

3108 Activation of Immature Cortical Thymocytes Through the T11 Sheep Erythrocyte Binding Protein

3114 Comparative Functional Analysis of Helper T Lymphocyte Responses to Soluble and Particulate Antigens

3120 Distinction of Virgin and Memory T Lymphocytes: Stable Acquisition of the Pgp-1 Glycoprotein Concomitant with Antigenic Stimulation

3130 Membrane Glycoprotein p150,95 of Human Cytotoxic T Cell Clones Is Involved in Conjugate Formation with Target Cells

3137 Regulation of Cytolytic Activity in CD3+ and CD3+ Killer Cell Clones by Monoclonal Antibodies (Anti-CD16, Anti-CD2, Anti-CD3) Depends on Subclass Specificity of Target Cell IgG-FcR

3145 HLA Class II Restriction of T Helper Cell Response to Cytomegalovirus (CMV). I. Immunogenetic Control of Restriction

3152 Antibody-Induced Association between Discrete Regions of HLA Class I and II Antigens

3159 Antibodies to the Common Leukocyte Antigen (T200) Inhibit an Early Phase in the Activation of Resting Human B Cells

3167 Induction of Macrophage Ia Expression by Lipopolysaccharide and Listeria monocytogenes in Congenitally Athymic Nude Mice

3174 Sexual Maturation-Associated and Estrogen-Induced Progesterone Receptor Expression in the Bursa of Fabricius

3179 Activation of Human B Cells: Alternate Options for Initial Triggering and Effects of Nonmitogenic Concentrations of Anti-IgM Antibodies on Resting and Activated Cells

3185 Mechanisms of T and B Cell Collaboration in the in Vitro Production of Anti-DNA Antibodies in the NZB/NZW F1, Murine SLE Model

3191 Fetal Intestinal Transplants in Syngeneic Rats: A Developmental Model of Intestinal Immunity

3197 T Cell-Derived Factor Alone or in Combination with Immunosuppressive Drugs Augments Prolongation of Allogeneic Skin Graft Survival in Mice Receiving Donor-Specific Transfusion

Continued on page 4
Identification of a Deletion in the Adenosine Deaminase Gene in a Child with Severe Combined Immunodeficiency

The Interleukin 1 Gene Is Expressed by Rat Glomerular Mesangial Cells and Is Augmented in Immune Complex Glomerulonephritis

Interleukin 1 (IL 1) as a Mediator of Crystal Arthritis: Stimulation of T Cell and Synovial Fibroblast Mitogenesis by Urate Crystal-Induced IL 1

Characterization of Human Autoantibodies that Selectively Precipitate the 7SL RNA Component of the Signal Recognition Particle

Effect of Immunodeficiency on Diabetogenesis in Genetically Diabetic (db/db) Mice

Increased Adhesion to Fibronectin and Mo-1 Expression by Diabetic Monocytes

Glucocorticoids Enhance the γ-Interferon Augmentation of Human Monocyte Immunoglobulin Fc Receptor Expression

Dissociation between Lymphocyte Activation for Proliferation and for the Capacity to Adoptively Transfer Uveoretinitis

Reversal of Advanced Murine Lupus in NZB/NZW F1 Mice by Treatment with Monoclonal Antibody to L3T4

Susceptibility of Astrocytes to Class I MHC Antigen-Specific Cytotoxicity with Monoclonal Antibody to L3T4

Murine Monoclonal Antibodies to the Myelin-Associated Glycoprotein (MAG) Recognize Leu-7-Reactive Molecules on Human Mononuclear Cells

Predisposition to EAE Induction in Resistant Mice by Prior Infection with Semliki Forest Virus

Refractoriness to a Second Episode of Experimental Myasthenia Gravis: Correlation with AChR Concentration and Morphologic Appearance of the Postsynaptic Membrane

Retrovirus Infection Alters Growth Factor Responses of T Lymphocytes

Production of Interleukin 1 by Adult T Cell Leukemia (ATL) Cell Lines

Augmentation of IL 1-Induced Fibroblast PGE₂ Production by a Urine-Derived IL 1 Inhibitor

Inhibitory Activity of Interleukin B on the Suppressor T Cell Hybrid T2D4

IL 1-Like Activities Present in Murine Amniotic Fluid. A Significantly Larger Amount of IL 1-like Activity Is Present in the Amniotic Fluid of Autoimmune NZB Mice
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>3308</td>
<td>Role of the Interleukin 2 Receptor in Differentiation of a Clone of Ly-1+ B Cells</td>
<td>G. A. Bishop and G. Haughton</td>
</tr>
<tr>
<td>3314</td>
<td>Characterization of a Keratinocyte-Derived T Cell Growth Factor Distinct from Interleukin 2 and B Cell Stimulatory Factor 1</td>
<td>D. L. Coleman, T. S. Kupper, P. M. Flood, C. C. Fultz, and M. C. Horowitz</td>
</tr>
</tbody>
</table>

**IMMUNOCHEMISTRY**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>3325</td>
<td>Human Antibodies to Phosphocholine. IgG Anti-PC Antibodies Express Restricted Numbers of V and C Regions</td>
<td>M. G. Scott, D. E. Briles, P. G. Shackelford, D. S. Smith, and M. H. Nahm</td>
</tr>
<tr>
<td>3332</td>
<td>Monoclonal Antibodies Distinguish Synthetic Peptides that Differ in One Chemical Group</td>
<td>P. Motté, G. Alberici, M. Ait-Abdelah, and D. Bellet</td>
</tr>
<tr>
<td>3352</td>
<td>Identification of a Rabbit Class I-Like Thymocyte-Specific Antigen</td>
<td>C.-R. Wang, G.-H. Chen, and W. J. Mandy</td>
</tr>
<tr>
<td>3360</td>
<td>A Collagen-Like Immunodeterminant on the Surface of Streptococcus sanguis Induces Platelet Aggregation</td>
<td>P. R. Erickson and M. C. Herzberg</td>
</tr>
<tr>
<td>3367</td>
<td>Quantitative Analysis of the T Cell Response to Antigen and Planar Membranes Containing Purified Ia Molecules</td>
<td>B. S. Fox, H. Quill, L. Carlson, and R. H. Schwartz</td>
</tr>
<tr>
<td>3375</td>
<td>Carbohydrate Differentiation Antigens of Murine T Cells: Expression on Intestinal Lymphocytes and Intestinal Epithelium</td>
<td>L. Lefrancois</td>
</tr>
<tr>
<td>3392</td>
<td>Regulation of the Alternative Pathway of Complement by pH</td>
<td>Z. Fishelson, R. D. Horstmann, and H. J. Muller-Eberhard</td>
</tr>
</tbody>
</table>

**IMMUNOPHARMACOLOGY**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>3396</td>
<td>Phorbol Myristate Acetate and the Calcium Ionophore A23187 Synergistically Induce Release of LTB4 by Human Neutrophils: Involvement of Protein Kinase C Activation in Regulation of the 5-Lipoxygenase Pathway</td>
<td>W. C. Liles, K. E. Meier, and W. R. Henderson</td>
</tr>
<tr>
<td>3403</td>
<td>Human Recombinant Interleukin 16 Has No Effect on Intracellular Calcium or on Functional Responses of Human Neutrophils</td>
<td>K. Georgilis, C. Schaefer, C. A. Dinarello, and M. S. Klemperer</td>
</tr>
<tr>
<td>3408</td>
<td>Monoclonal Antibodies to Glucose-6-Phosphate Dehydrogenase (G6PDH) Form Cyclic 1:1 Complexes with G6PDH and Act as Regulatory Subunits</td>
<td>C. Skold, I. Gibbons, D. Gould, and E. F. Ullman</td>
</tr>
</tbody>
</table>

**MICROBIAL IMMUNOLOGY**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>3415</td>
<td>Differential Ability of Human Immunodeficiency Virus Isolates to Productively Infect Human Cells</td>
<td>L. A. Evans, T. M. McHugh, D. P. Stites, and J. A. Levy</td>
</tr>
<tr>
<td>3419</td>
<td>Induction of an Anti-Hepatitis B Surface Antigen Response in Mice by Noninternal Image (Ab2) Anti-Idiotypic Antibodies</td>
<td>M. R. Schick, G. R. Dreesman, and R. C. Kennedy</td>
</tr>
<tr>
<td>3426</td>
<td>Altered Splenic T Cell Function of BALB/cByJ Mice Infected with Mouse Hepatitis Virus or Sendai Virus</td>
<td>A. L. Smith, K. Bottomly, and D. F. Winograd</td>
</tr>
</tbody>
</table>

*Continued on page 6*
Continued from page 5

S. Martin and B. T. Rouse

M. Rodriguez, M. L. Pierce, and E. A. Howie

M. Yazdanbaksh, P.-C. Tai, C. J. F. Spry, G. J. Gleich, and D. Roos

J. M. Balloul, J.-M. Grzych, R. J. Pierce, and A. Capron

R. B. Lal, R. S. Paranjape, D. E. Brides, T. B. Nutman, and E. A. Ottesen

E. S. Metcalf, M. Gaffney, and L. W. Duran

D. Levitt and R. Danen

R. D. Shahin, I. Englberg, L. Hagberg, and C. S. Edén


E. S. Metcalf, M. Gaffney, and L. W. Duran

D. Levitt and R. Danen

R. D. Shahin, I. Englberg, L. Hagberg, and C. S. Edén


The Mechanisms of Antiviral Immunity Induced by a Vaccinia Virus Recombinant Expressing Herpes Simplex Virus Type 1 Glycoprotein D: Clearance of Local Infection

Immune Response Gene Products (Ia Antigens) on Glial and Endothelial Cells in Virus-Induced Demyelination

Synergism between Eosinophil Cationic Protein and Oxygen Metabolites in Killing of Schistosomula of Schistosoma mansoni

A Purified 28,000 Dalton Protein from Schistosoma mansoni Adult Worms Protects Rats and Mice against Experimental Schistosomiasis

Circulating Parasite Antigen(s) in Lymphatic Filariasis: Use of Monoclonal Antibodies to Phosphocholine for Immunodiagnosis

The Diversity of the Secondary Salmonella typhimurium-Specific B Cell Repertoire

Role of c-myc and Other Genes in Interleukin 2 Regulated CT6 T Lymphocytes and Their Malignant Variants

DNA Methylation Alters Chromatin Structure and Regulates Thy-1 Expression in EL-4 T Cells

Molecular Cloning of the cDNA Encoding the T3γ Subunit of the Mouse T3/T Cell Antigen Receptor Complex

Reaction of T Lymphocytes with Anti-T3 Induces Translocation of C-Kinase Activity to the Membrane and Specific Substrate Phosphorylation

Identification and Specificity of a cDNA Encoding the 70 kd Mitochondrial Antigen Recognized in Primary Biliary Cirrhosis

Structure-Function Relationships for the IL 2 Receptor System. III. Tac Protein Missing Amino Acids 102 to 173 (Exon 4) Is Unable to Bind IL 2: Detection of Spliced Protein after L Cell Transfection

Switch Region Content of Hybridomas: The Two Spleen Cell IgH Loci Tend to Rearrange to the Same Isotype

Expansion of the Complement Receptor Gene Family: Identification in the Mouse of Two New Genes Related to the CR1 and CR2 Gene Family

Role of c-myc and Other Genes in Interleukin 2 Regulated CT6 T Lymphocytes and Their Malignant Variants

DNA Methylation Alters Chromatin Structure and Regulates Thy-1 Expression in EL-4 T Cells

Molecular Cloning of the cDNA Encoding the T3γ Subunit of the Mouse T3/T Cell Antigen Receptor Complex

Reaction of T Lymphocytes with Anti-T3 Induces Translocation of C-Kinase Activity to the Membrane and Specific Substrate Phosphorylation

Identification and Specificity of a cDNA Encoding the 70 kd Mitochondrial Antigen Recognized in Primary Biliary Cirrhosis

Structure-Function Relationships for the IL 2 Receptor System. III. Tac Protein Missing Amino Acids 102 to 173 (Exon 4) Is Unable to Bind IL 2: Detection of Spliced Protein after L Cell Transfection

Switch Region Content of Hybridomas: The Two Spleen Cell IgH Loci Tend to Rearrange to the Same Isotype

N. Dana, R. F. Toddy III, H. R. Colten, and M. A. Arnaout

L. D. Tempelis

J. R. Ortaldo, C. Woodhouse, A. C. Morgan, R. B. Hermann, D. A. Cheresh, and R. Reisfeld

P. M. Flood, H. Schreiber, and Y. Ron

Announcements

Author Index


J. L. Cleveland, U. R. Rapp, and W. L. Farrar

M. C. Sneller and K. C. Gunter

G. W. Krissansen, M. J. Owen, P. J. Fink, and M. J. Crumpston


M. E. Gershwin, I. R. Mackay, A. Sturgess, and R. L. Coppell

M. P. Neepher, L.-M. Kuo, M. C. Kiefer, and R. J. Robb

M. Hummel, J. K. Berry, and W. Dunnick

N. Dana, R. F. Toddy III, H. R. Colten, and M. A. Arnaout

L. D. Tempelis

J. R. Ortaldo, C. Woodhouse, A. C. Morgan, R. B. Herberman, D. A. Cheresh, and R. Reisfeld

P. M. Flood, H. Schreiber, and Y. Ron

Announcements

Author Index

3431 The Mechanisms of Antiviral Immunity Induced by a Vaccinia Virus Recombinant Expressing Herpes Simplex Virus Type 1 Glycoprotein D: Clearance of Local Infection

3438 Immune Response Gene Products (Ia Antigens) on Glial and Endothelial Cells in Virus-Induced Demyelination

3443 Synergism between Eosinophil Cationic Protein and Oxygen Metabolites in Killing of Schistosomula of Schistosoma mansoni

3448 A Purified 28,000 Dalton Protein from Schistosoma mansoni Adult Worms Protects Rats and Mice against Experimental Schistosomiasis

3454 Circulating Parasite Antigen(s) in Lymphatic Filariasis: Use of Monoclonal Antibodies to Phosphocholine for Immunodiagnosis

3461 The Diversity of the Secondary Salmonella typhimurium-Specific B Cell Repertoire

3468 Development and Regulation of Chlamydia-Responsive Murine B Lymphocytes

3475 Neutrophil Recruitment and Bacterial Clearance Correlated with LPS Responsiveness in Local Gram-Negative Infection

3481 Studies on the Mechanism of T Cell Inhibition by the Pseudomonas aeruginosa Phenazine Pigment Pyocyanine

3488 Expansion of the Complement Receptor Gene Family: Identification in the Mouse of Two New Genes Related to the CR1 and CR2 Gene Family

3495 Role of c-myc and Other Genes in Interleukin 2 Regulated CT6 T Lymphocytes and Their Malignant Variants

3505 DNA Methylation Alters Chromatin Structure and Regulates Thy-1 Expression in EL-4 T Cells

3513 Molecular Cloning of the cDNA Encoding the T3γ Subunit of the Mouse T3/T Cell Antigen Receptor Complex

3519 Reaction of T Lymphocytes with Anti-T3 Induces Translocation of C-Kinase Activity to the Membrane and Specific Substrate Phosphorylation

3525 Identification and Specificity of a cDNA Encoding the 70 kd Mitochondrial Antigen Recognized in Primary Biliary Cirrhosis

3532 Structure-Function Relationships for the IL 2 Receptor System. III. Tac Protein Missing Amino Acids 102 to 173 (Exon 4) Is Unable to Bind IL 2: Detection of Spliced Protein after L Cell Transfection

3539 Switch Region Content of Hybridomas: The Two Spleen Cell IgH Loci Tend to Rearrange to the Same Isotype

3549 A Dysfunctional Mo1 Glycoprotein Is Present on a Subline of the KG1 Acute Myelogenous Leukemia Cell Line

3555 Thymic Epithelium Controls Thymocyte Expression of Preleukemic Phenotype and Leukemogenic Retroviruses

3566 Analysis of Effector Cells in Human Antibody-Dependent Cellular Cytotoxicity with Murine Monoclonal Antibodies

3573 Protective Immunity to Progressive Tumors Can Be Induced by Antigen Presented on Regressor Tumors