131 (1)

J Immunol 1983; 131:1-528; ;
http://www.jimmunol.org/content/131/1.citation

This information is current as of March 20, 2021.

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
### COMMUNICATIONS

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. M. Lieberman and E. Ayala</td>
<td>Active and Passive Immunity against <em>Pseudomonas aeruginosa</em> with a Ribosomal Vaccine and Antiserum in C3H/HeJ Mice</td>
</tr>
<tr>
<td>D. J. Hinrichs and R. C. Humphres</td>
<td>The Response of the Nude (Athymic) Rat to Actively Induced and Adoptively Transferred Experimental Allergic Encephalomyelitis</td>
</tr>
<tr>
<td>H. Karch and K. Nixdorff</td>
<td>Modulation of the IgG Subclass Responses to Lipopolysaccharide by Bacterial Membrane Components: Differential Adjuvant Effects Produced by Primary and Secondary Stimulation</td>
</tr>
<tr>
<td>O. Vainio and A. Toivanen</td>
<td>B Cell Genotype Determines Interaction Preference with T Cells. No Effect of Maturation Environment</td>
</tr>
<tr>
<td>B. S. Kim and P. B. Massey</td>
<td>Polyvalent Epitope Inhibits but Added with Anti-Idiotype Antibody Enhances Idiotype Suppression</td>
</tr>
<tr>
<td>G. Biasi, D. Collavo, and L. Chieco-Bianchi</td>
<td>Selective Failure of Accessory Cell Function in Moloney Murine Leukemia Virus-Tolerant Mice</td>
</tr>
</tbody>
</table>

### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Gullberg and E-L Larsson</td>
<td>Con A-Induced TCGF-Reactivity is Selectively Acquired by Lyt-2-Positive T Cell Precursors</td>
</tr>
<tr>
<td>E. C. DeFreitas, R. W. Chesnut, H. M. Grey, and J. M. Chiller</td>
<td>Macrophage-Dependent Activation of Antigen-Specific T Cells Requires Antigen and a Soluble Monokine</td>
</tr>
<tr>
<td>M-S Sy, M. Tsurufuji, R. Finberg, and B. Benacerraf</td>
<td>Effect of Vesicular Stomatitis Virus (VSV) Infection on the Development and Regulation of T Cell-Mediated Immune Responses</td>
</tr>
<tr>
<td>H. Narimatsu and K. Saito</td>
<td>Allo-la Reactive Murine T Cell Lines. II. Mechanisms of Clonal Expansion of T Cells Explored by Use of the Allo-la Reactive T Cell Clones</td>
</tr>
<tr>
<td>S. Murakoa and R. G. Miller</td>
<td>Cells in Murine Fetal Liver and in Lymphoid Colonies Grown from Fetal Liver Can Suppress Generation of Cytotoxic T Lymphocytes Directed Against Their Self Antigens</td>
</tr>
<tr>
<td>Y. Kaufmann and G. Berke</td>
<td>Monoclonal Cytotoxic T Lymphocyte Hybridomas Capable of Specific Killing Activity, Antigenic Responsiveness, and Inducible Interleukin Secretion</td>
</tr>
<tr>
<td>B. P. P. Chen and G. A. Splitter</td>
<td>Transplantation Tolerance: Lyt-1&quot;2&quot; Helper T Cells Require a Second Proliferation Signal to Overcome Lyt-1&quot;2&quot; Suppressor T Cell Activity</td>
</tr>
<tr>
<td>F. Lepault, R. L. Coffman, and I. L. Weissman</td>
<td>Characteristics of Thymus-Homing Bone Marrow Cells</td>
</tr>
<tr>
<td>W. C. Barry and N. H. Ruddle</td>
<td>The Delayed-Type Hypersensitivity Response to (4-Hydroxy-3-Nitrophenyl) Acetyl-(NP) Coupled Proteins is Carrier-Specific: In Vivo and In Vitro Demonstrations</td>
</tr>
<tr>
<td>S. D. Miller and L. D. Butler</td>
<td>T Cell Responses Induced by the Parenteral Injection of Antigen-Modified Syngeneic Cells. I. Induction, Characterization, and Regulation of Antigen-Specific T Helper Cells Involved in Delayed-Type Hypersensitivity Responses</td>
</tr>
<tr>
<td>S. P. M. Lems, W. J. M. Tax, P. J. A. Capel, and R. A. P. Koene</td>
<td>Immune Regulation by Monoclonal Antibodies: Failure to Enhance Mouse Skin Allografts</td>
</tr>
<tr>
<td>S. C. Miller</td>
<td>Genetically Determined Resistance to Foreign Bone Marrow Transplantation in Mice: Characterization of the Effector Cells</td>
</tr>
<tr>
<td>T. Hamano, W. M. Leiserson, and R. Asofsky</td>
<td>Functional Studies on B Cell Hybridomas with B Cell Surface Antigens. II. Ia Molecules on the Cell Membrane and the Differentiative Response to Anti-Ia Antibody</td>
</tr>
<tr>
<td>E. Bikoff and C. A. Bona</td>
<td>Influence of Igh-C- and MHC-linked Genes on the Activity of Immunoglobulin-Recognizing T Cells</td>
</tr>
<tr>
<td>T. Kakiuchi, R. W. Chesnut, and H. M. Grey</td>
<td>B Cells as Antigen-Presenting Cells: The Requirement for B Cell Activation</td>
</tr>
<tr>
<td>F. T. Koster and N. F. Pierce</td>
<td>Parenteral Immunization Causes Antigen-Specific Cell-Mediated Suppression of an Intestinal IgA Response</td>
</tr>
</tbody>
</table>

*Continued on page 4*
Continued from page 3

E. Eroela, S. Jalkanen, K. Gran- fors, and A. Toivanen

J. Verhoel and S. D. Sharma

J. M. Ward, F. Argilan, and C. W. Reynolds

R. J. Kurlander

J. P. McGillis, N. R. Hall, and A. L. Goldstein

120 Immune Capacity of the Chicken Bursectomized at 60 Hours of Incubation. Mitogen- Induced Cell Proliferation and Immunoglobulin Secretion

125 Inhibition of Human Natural Killer Activity by Lysosomotropic Agents

132 Immunoperoxidase Localization of Large Granular Lymphocytes in Normal Tissue and Lesions of Atrophic Nude Rats

140 Blockade of Fc Receptor-Mediated Binding to U-937 Cells by Murine Monoclonal Antibodies Directed Against a Variety of Surface Antigens

148 Circadian Rhythm of Thymosin-α1 in Normal and Thymectomized Mice

CLINICAL IMMUNOLOGY + IMMUNOPATHOLOGY

W. E. Biddison, P. E. Rao, M. A. Talie, G. Goldstein, and S. Shaw


P. J. Reitnauer, L. R. Brown, J. A. Hank, and P. M. Sondel

P. Hersey, G. Haran, E. Hasic, and A. Edwards

V. Brankovan, M. A. Bean, P. J. Martin, J. A. Hansen, K. Sada- mune, Y. Takahashi, and M. Aki- yama


S. C. Meuer, J. C. Hodgdon, D. A. Cooper, R. E. Hussey, K. A. Fitz- gerald, S. F. Schlossman, and E. L. Reinherz

H. M. Hallgren, D. R. Jackola, and J. J. O’Leary

M. R. Deibel, Jr., L. K. Riley, M. S. Coleman, M. L. Cibull, S. A. Fuller, and E. Todd


A. C. Archibald, K. Cheung, and M. F. Robinson

G. S. Wood, N. L. Warner, and R. A. Warnke

S. Katayama, D. Chia, D. W. Knut- son, and E. V. Barnett

B. Perussa, V. Fanning, and G. Trinchieri


H. Harada, K. Shioli-Nakano, M. Mayumi, and T. Kawai


M. Goldman, H-M Feng, H. Engers, A. Hochman, J. Louis, and P. H. Lambert

D. S. Gregerson and I. W. Abra- hams

152 Possible Involvement of the T4 Molecule in T Cell Recognition of Class II HLA Antigens: Evidence from Studies of Proliferative Responses to SB Antigens

158 Human T Lymphocyte Proliferation Induced by a Pan-T Monoclonal Antibody (Anti-Leu 4): Heterogeneity of Response is a Function of Monocytes

165 Proliferative Responses to a Nonspecific Factor Produced by Irradiated Stimulating Cells can Stimulate Antigen-Specific Secondary Responses in the Primed Lympho- cyte Test

171 Alteration of T Cell Subsets and Induction of Suppressor T Cell Activity in Normal Subjects After Exposure to Sunlight

175 The Cell Surface Phenotype of a Naturally Occurring Human Suppressor T-Cell of Restricted Specificity: Definition by Monoclonal Antibodies

180 Identification and Functional Characterization of Two Distinct Epitopes on the Human T Cell Surface Protein Tp50

186 Human Cytotoxic T Cell Clones Directed at Autologous Virus-Transformed Targets: Further Evidence for Linkage of Genetic Restriction to T4 and T8 Surface Glyco- proteins

191 Unusual Pattern of Surface Marker Expression on Peripheral Lymphocytes from Aged Humans Suggestive of a Population of Less Differentiated Cells

195 Expression of Terminal Deoxynucleotidyl Transferase in Human Thymus during Ontogeny and Development

201 Induction of Phenotypic Differentiation, Interleukin 2 Production, and PHA Responsiveness of “Immature” Human Thymocytes by Interleukin 1 and Phorbol Ester

207 The Interaction of Lymphocyte Surface-Bound Immune Complexes and Neutrophils

212 Anti-Leu-3/T4 Antibodies React with Cells of Monocyte/Macrophage and Langerhans Lineage

217 Decreased Fc Receptor Avidity and Degradative Function of Monocytes from Patients with Systemic Lupus Erythematosus

223 A Human NK and K Cell Subset Shares with Cytotoxic T Cells Expression of the Antigen Recognized by Antibody OKT8

232 Ontogeny of Human Hematopoietic Cells: Analysis Utilizing Monoclonal Antibodies

238 Distinction of Two Subtypes of Human Leukocyte Interferon (IFN-α) on B Cell Activation

244 B4, A Human B Lymphocyte-Associated Antigen Expressed on Normal, Mitogen- Activated and Malignant B Lymphocytes

251 Autoimmunity and Immune Complex Disease after Neonatal Induction of Transplantation Tolerance in Mice

259 Immunologic and Biochemical Properties of Several Retinal Proteins Bound by Antibodies in Sera from Animals with Experimental Autoimmune Uveitis and Uveitis Patients

Continued on page 5
Continued from page 4

T. J. Santoro, W. R. Benjamin, J. J. Oppenheim, and A. D. Steinberg

M. Gioud, B. L. Kotzin, R. L. Rubin, F. G. Joslin, and E. M. Tan


265 The Cellular Basis for Immune Interferon Production in Autoimmune MRL-Ipr/pr Mice

269 In Vivo and In Vitro Production of Anti-Histone Antibodies in NZD/NZW Mice

275 A Rabbit B Cell Determinant for a Conserved Portion of Myelin Basic Protein, Rabbit Encephalitogenic Sequence 85-74

CYTOKINES • MEDIATORS • REGULATORY MOLECULES


288 Interleukin 2 Induces γ-Interferon Production: Participation of Macrophages and NK-like Cells

J. D. Watson

292 Biology and Biochemistry of T Cell-Derived Lymphokines. I. The Coordinate Synthesis of Interleukin 2 and Colony-Stimulating Factors in a Murine T Cell Lymphoma

J. A. Wilkins, Y. Jordan, W. J. Rutherford, and R. J. Warrington

295 T Cell Factor-Mediated Suppression of Immunoglobulin Secretion by a Human B Lymphoblastoid Cell Line

I. Yodoi, M. Adachi, K. Teshigawara, M. Miyama-Inaba, T. Masuda, and W. H. Friedman

311 Macrophage Activation: Synergism between Hybridoma MAF and Poly(I)-Poly(C) Delivered by Liposomes

C. Pidgeon, R. D. Schreiber, and R. M. Schultz

315 Induction of la and H-2 Antigens on a Macrophage Cell Line by Immune Interferon

IMMUNOCHEMISTRY

D. Hansburg, T. Fairwell, R. H. Schwartz, and E. Appella

319 The T Lymphocyte Response to Cytochrome c. IV. Distinguishable Sites on a Peptide Antigen which Affect Antigenic Strength and Memory

I. Vučak, K. Raska III, Z. A. Nagy, and J. Klein

325 Frequency of Responsiveness to the H-Y Antigen among the B10.W Lines

V. Rotter, H. Friedman, A. Katz, K. Zorivitz, and D. Wolf

329 Variation in Antigenic Determinants of p53 Transformation-Related Protein Obtained from Various Species

M. E. Hemler, C. F. Ware, and J. L. Strominger

334 Characterization of a Novel Differentiation Antigen Complex Recognized by a Monoclonal Antibody (A-1A5): Unique Activation-Specific Molecular Forms on Stimulated T Cells

D. S. Monos and H. L. Cooper

341 Rapid Turnover of HLA Proteins in Quiescent Lymphocytes: Proposed Connection with Immunologic Surveillance

P. B. Billings and S. O. Hoch

347 Isolation of Intact Smf/RNP Antigens from Rabbit Thymus

S. J. Swiedler, G. W. Hart, and J. H. Frenz

352 Characterization of the Oligosaccharides from the Invariant Chain Associated with Murine la Antigens


359 Idiotypic and Fluorometric Analysis of the Antibodies that Distinguish the Lesion of the I-A Mutant B6.C-H-2\textsuperscript{bm12}

M. A. Bach, H. Kohler, and D. Levitt

365 Binding of Phosphorylcholine by Non-Immunoglobulin Molecules on Mouse B Cells

S. K. Sanders and S. W. Craig

370 A Lymphocyte Cell Surface Molecule that is Antigenically Related to Actin

L. Cohen, S. Sharp, and A. Kulczycki, Jr.

376 Generation of Biologically Active, Complement-(C5) Derived Peptides by Cathepsin H

A. Szurow-Sudol, H. W. Murray, and C. F. Nathan

384 Rapid Turnover of HLA Proteins in Quiescent Lymphocytes: Proposed Connection with Immunologic Surveillance

C. Isersky, J. Rivera, D. M. Segal, and T. Triche

388 The Fate of IgE Bound to Rat Basophilic Leukemia Cells. II. Endocytosis of IgE Oligomers and Effect on Receptor Turnover


397 Generation of Biologically Active, Complement-(C5) Derived Peptides by Cathepsin H

E. J. Brown, J. Ramsey, C. H. Hammer, and M. M. Frank

403 Surface Modulation of Classical Pathway Activation: C2 and C3 Convertase Formation and Regulation on Sheep, Guinea Pig, and Human Erythrocytes

Continued on page 6
Continued from page 5

<table>
<thead>
<tr>
<th>E. J. Brown, K. A. Joiner, T. A. Gaither, C. H. Hammer, and M. M. Frank</th>
<th>409</th>
<th>The Interaction of C3b Bound to Pneumococci with Factor H (β1H Globulin), Factor 1 (C3b/C4b Inactivator), and Properdin Factor B of the Human Complement System</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. B. Storrs, W. P. Kolb, and M. S. Olson</td>
<td>416</td>
<td>C1q Binding and C1 Activation by Various Isolated Cellular Membranes</td>
</tr>
<tr>
<td>A. R. Brown</td>
<td>423</td>
<td>Idiotype Heterogeneity of the Cross-Reactive Idiotype Associated with the Anti-p-azophenylarsonate Antibodies of BALB/c Mice</td>
</tr>
</tbody>
</table>

**IMMUNOPHARMACOLOGY**


**MICROBIAL IMMUNOLOGY**

| A. Schaffner, H. Douglas, and C. E. Davis | 450 | Models of T Cell Deficiency in Listeriosis: The Effects of Cortisone and Cyclosporin A on Normal and Nude BALB/c Mice |
| P. R. Gardiner, J. F. Finerty, and D. M. Dwyer | 454 | Iodination and Identification of Surface Membrane Antigens in Procyclic Trypanosoma rhodesiense |
| W. E. Hauser, Jr., S. D. Sharma, and J. S. Remington | 458 | Augmentation of NK Cell Activity by Soluble and Particulate Fractions of Toxoplasma gondii |
| C. Auriault, M. Capron, I. M. Cesari, and A. Capron | 464 | Enhancement of Eosinophil Effector Function by Soluble Factors Released by S. mansoni: Role of Proteases |
| J. L. Hurwitz, P. J. Wettstein, J. R. Bennink, and P. C. Doherty | 471 | Cross-Reactivity Patterns of Influenza-Specific Cytotoxic T Lymphocytes from H-2Kb Mutant Mice |
| D. S. Schmid and B. T. Rouse | 479 | Cellular Interactions in the Cytotoxic T Lymphocyte Response to Herpes Simplex Virus Antigens: Differential Antigen Activation Requirements for the Helper T Lymphocyte and Cytotoxic T Lymphocyte Precursors |
| D. Gerlier, O. Bakouche, and J. F. Dore | 485 | Liposomes as a Tool to Study the Role of Membrane Presentation in the Immuno- |
| D. T. Kingsbury, K. C. Kasper, D. P. Stites, J. D. Watson, R. N. Hogan, and S. B. Prusiner | 491 | Genetic Control of Scrapie and Creutzfeldt-Jakob Disease in Mice |

**TUMOR IMMUNOLOGY**

| J. L. Mulshine, F. Cuttitta, M. Bibro, J. Fedorko, S. Fargion, C. Little, D. N. Camey, A. F. Gazdar, and J. D. Miana | 497 | Monoclonal Antibodies that Distinguish Non-Small Cell from Small Cell Lung Cancer |
| J. Burchell, H. Durbis, and J. Taylor-Papadimitriou | 508 | Complexity of Expression of Antigenic Determinants, Recognized by Monoclonal Antibodies HMFG-1 and HMFG-2, in Normal and Malignant Human Mammary Epithelial Cells |
| L. K. Roberts, C. W. Spellman, and N. L. Warner | 514 | Establishment of a Continuous T Cell Line Capable of Suppressing Anti-Tumor Immune Responses In Vivo |
| W. Droge, D. Männel, W. Falk, H. Schmidt, S. Panknin, and W. Dotterer | 520 | The Optimal Activation of Cytotoxic T Lymphocytes Requires Metabolically Intact Stimulator Cells not only for the Activation of the Interleukin 2-Producing Helper Cells |
| Announcements | 529 |
| Author Index | 531 |