129 (1)

J Immunol 1982; 129:1-439; ;
http://www.jimmunol.org/content/129/1.citation

This information is current as of April 20, 2017.

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

### COMMUNICATIONS

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. Panem, I. J. Check, D. Henriksen, and J. Vilček</td>
<td>1</td>
<td>Antibodies to α-interferon in a Patient with Systemic Lupus Erythematosus</td>
</tr>
<tr>
<td>R. Peck, K. K. Murthy, and O. Vainio</td>
<td>4</td>
<td>Expression of B-L (la-like) Antigens on Macrophages from Chicken Lymphoid Organs</td>
</tr>
</tbody>
</table>

### CELLULAR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. J. Conlor, C. A. Ramthun, C. S. Henney, and S. Gillis</td>
<td>11</td>
<td>Cytokine-Dependent Thymocyte Responses. II. Generation of Cytotoxic T Lymphocytes from Immature Thymocytes</td>
</tr>
<tr>
<td>C. Wei-Feng, R. Scollay, and K. Shortman</td>
<td>18</td>
<td>The Functional Capacity of Thymus Subpopulations: Limit-Dilution Analysis of All Precursors of Cytotoxic Lymphocytes and of All T Cells Capable of Proliferation in Subpopulations Separated by the Use of Peanut Agglutinin</td>
</tr>
<tr>
<td>H. Scoverrn and F. S. Kantor</td>
<td>25</td>
<td>Local Passive Transfer of Delayed-Type Hypersensitivity in the Mouse</td>
</tr>
<tr>
<td>J. W. Schrader and I. Clark-Lewis</td>
<td>30</td>
<td>A T Cell-Derived Factor Stimulating Multipotential Hemopoietic Stem Cells: Molecular Weight and Distinction from T Cell Growth Factor and T Cell-Derived Granulocyte-Macrophage Colony-Stimulating Factor</td>
</tr>
<tr>
<td>E. L. Morgan and W. O. Weigle</td>
<td>36</td>
<td>The Immune Response in Aged C57BL/6 Mice. II. Characterization and Reversal of a Defect in the Ability of Aged Spleen Cells to Respond to the Adjuvant Properties of Fc Fragments</td>
</tr>
<tr>
<td>J. S. Lipsick, L. Serunian, V. L. Sato, and N. O. Kaplan</td>
<td>40</td>
<td>Differentiation and Activation of nu/nu Splenic T Cell Precursors by Mature Peripheral T Cells in the Absence of Thymus</td>
</tr>
<tr>
<td>T. Kaida, M. Okada, N. Yoshihama, S. Kishimoto, Y. Yamamura, and T. Kishimoto</td>
<td>46</td>
<td>A Human Helper T Cell Clone Secreting Both Killer Helper Factor(s) and T Cell-Replacing Factor(s)</td>
</tr>
<tr>
<td>C. Garcia-Rozas, A. Plaza, F. Diaz-Espada, M. Kreisler, and C. Martinez-Alonso</td>
<td>52</td>
<td>Alkaline Phosphatase Activity as a Membrane Marker for Activated B Cells</td>
</tr>
<tr>
<td>M. R. Duncan, F. W. George, IV, and J. W. Hadden</td>
<td>56</td>
<td>Concanavalin A-Induced Human Lymphocyte Mitogenic Factor: Activity Distinct from Interleukin 1 and 2</td>
</tr>
<tr>
<td>G. Moser, S. J. Burakoff, and A. K. Abbas</td>
<td>63</td>
<td>Suppression of Anti-hapten Antibody Responses by Hapten-Specific Cytolytic T Lymphocytes: Role of I-A-Associated Antigen on Target B Lymphocytes</td>
</tr>
<tr>
<td>M. G. Goodman, D. E. Chenoweth, and W. O. Weigle</td>
<td>70</td>
<td>Potentiation of the Primary Humoral Immune Response in Vitro by C5a Anaphylatoxin</td>
</tr>
<tr>
<td>G. R. Klippel, W. R. Fleischmann, Jr., and K. D. Klippel</td>
<td>76</td>
<td>Gamma Interferon (IFNγ) and IFNa/β Suppress Murine Myeloid Colony Formation (CFU-C): Magnitude of Suppression is Dependent upon Level of Colony-Stimulating Factor (CSF)</td>
</tr>
<tr>
<td>M. B. Sztein, T. A. Luger, and J. J. Oppenheim</td>
<td>87</td>
<td>An Epidermal Cell-Derived Cytokine Triggers the in Vivo Synthesis of Serum Amyloid A by Hepatocytes</td>
</tr>
</tbody>
</table>

### CLINICAL IMMUNOLOGY

<table>
<thead>
<tr>
<th>Author</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. E. Andreotti</td>
<td>91</td>
<td>Phorbol Ester Tumor Promoter Modulation of Alloantigen-Specific T Lymphocyte Responses</td>
</tr>
<tr>
<td>A. Yachie, T. Miyawaki, T. Yokoi, T. Nagaoki, and N. Taniguchi</td>
<td>103</td>
<td>In-Positive Cells Generated by PWM-Stimulation within OKT4+ Subset Interact with OKT8+ Cells for Inducing Active Suppression on B Cell Differentiation in Vitro</td>
</tr>
</tbody>
</table>

Continued on page 4
Continued from page 3

D. J. Volkman, S. P. Allyn, and A. S. Fauci
L. G. Lum, N. Orcutt-Thordarson, M. C. Seigneuret, and R. Storb
M. Roebber, D. G. Klapper, and D. G. Marsh
M. Hansson, M. Beran, B. Anderson, and R. Kiessling
D. L. Delacroix, P. Jonard, C. Dive, and J.-P. Vaerman
R. S. Geha
J. L. Medzihradsky, C. Klein, and G. B. Elion
L. T. Bich-Thuy and J.-P. Revillard
R. E. Callard, G. W. McCaughan, J. Babbage, and R. L. Souhami

Antigen-Induced in Vitro Antibody Production in Humans: Tetanus Toxoid-Specific Antibody Synthesis

The Regulation of Ig Synthesis after Marrow Transplantation. IV. T4 and T8 Subset Function in Patients with Chronic Graft-vs-Host Disease

Two Isoallergens of Short Ragweed Component Ra5

Inhibition of in Vitro Granulopoiesis by Autologous and Allogeneic Human NK Cells

Serum IgM-Bound Secretory Component (sIgM) in Liver Diseases: Comparative Molecular State of the Secretory Component in Serum and Bile

Presence of Auto-Anti-Idiotypic Antibody during the Normal Human Immune Response to Tetanus Toxoid Antigen

Differential Interference by Azathioprine and 6-Mercaptopurine with Antibody-Mediated Immunoregulation: Synergism of Azathioprine and Antibody in the Control of an Immune Response

Selective Suppression of Human B Lymphocyte Differentiation into IgG-Producing Cells by Soluble Fc Gamma Receptors

Specific in Vitro Antibody Responses by Human Blood Lymphocytes: Apparent Nonresponsiveness of PBL is Due to a Lack of Recirculating Memory B Cells

IMMUNOGENETICS AND TRANSPLANTATION

M. Seman, V. Zilberfarb, M.-L. Gougeon, and J. Theze
M. R. Melino, E. A. Nichols, H. R. Strauss, and T. H. Hansen
A. Ochi, M. Nonaka, K. Hayakawa, K. Okumura, and T. Tada
R. L. Hayes and H. N. Claman
J. Rauch, E. Murphy, J. B. Roths, B. D. Stollar, and R. S. Schwartz
J. Pelkonen, K. Karjalainen, O. Makela, and B. A. Taylor

Functional Analysis of GAT-Specific T Cell Clones: H-2-Restricted Monoclonal T Helper Cells Do Not Regulate Expression of Antibody Isotypes

Characterization of H-2D7 Antigens Implies Haplotype Differences in the Number of H-2 Molecules Expressed

Two Loci in I-J Subregion of the H-2 Complex Controlling Molecules Selectively Expressed on Suppressor and Helper T Cells

The Induction of Alloreactive Cytotoxic Responses in Vivo are Inhibited by Pretreatment with Mis-Disparate Cells

A High Frequency Idiotypic Marker of Anti-DNA Autoantibodies in MRL-lpr/lpr Mice

Map Position of Igh-Ox2 Gene within the Igh Region of the DBA/2 Mouse Strain

Continued on page 5
Continued from page 4

D. R. Lee, T. H. Hansen, and S. E. Cullen
N. Hozumi, G. Wu, H. Murielado, R. Baumal, T. Mosmann, L. Winstead, and A. Marks
R. J. Hodes, M. Shigeta, K. S. Hathcock, C. G. Fathman, and A. Singer
R. I. Zuberi and D. H. Katz


252 Restoration of Allograft Responsiveness in B Rats by Interleukin 2 and/or Adherent Cells

260 Arrangement of Light Chain Genes in Mutant Clones of the MOPC 315 Mouse Myeloma Cells

267 Role of the Major Histocompatibility Complex in T Cell Activation of B Cell Subpopulations: Antigen-Specific and H-2-Restricted Monoclonal Tα Cells Activate Lyb-5+ B Cells through an Antigen-Nonspecific and H-2-Unrestricted Effector Pathway

272 Genetics of Cell Interactions in Aged Mice: Age-Related Decline in Capacity of Parental Cells or Environment to Induce Allogeneic Effects on F, Lymphocytes

---

IMMUNOPATHOLOGY

N. Hochman, L. M. Wahl, and A. L. Sandberg
S. Ladisch and S. A. Feig
P. Katz, A. M. Zaytoun, and A. S. Fauci
P. Katz, J. C. Roder, A. M. Zaytoun, R. B. Herberman, and A. S. Fauci
A. Ben-Nun and I. R. Cohen
S. J. Weiss and P. A. Ward
P. C. Fox, L. K. Basciano, and R. P. Siraganian

278 Coexistence of Defective and Normal Immunologic Functions in Lymphocytes and Macrophages from Osteopetrotic (op) Rats

282 Inhibition of Monocyte-Mediated Antibody-Dependent Cytotoxicity by Ouabain: Relationship between Cytotoxic Function, Glycolysis, and Intracellular Cation Homeostasis

287 Mechanisms of Human Cell-Mediated Cytotoxicity. I. Modulation of Natural Killer Cell Activity by Cyclic Nucleotides

297 Mechanisms of Human Cell-Mediated Cytotoxicity. II. Correction of the Selective Defect in Natural Killing in the Chediak-Higashi Syndrome with Inducers of Intracellular Cyclic GMP

303 Experimental Autoimmune Encephalomyelitis (EAE) Mediated by T Cell Lines: Process of Selection of Lines and Characterization of the Cells

309 Immune Complex Induced Generation of Oxygen Metabolites by Human Neutrophils

314 Mouse Mast Cell Activation and Desensitization for Immune Aggregate-Induced Histamine Release

---

MICROBIAL IMMUNOLOGY

D. R. Milich and F. V. Chisari
J. F. Sheridan, A. D. Donnenberg, L. Aurelian, and D. J. Elpern
P. C. J. Leijh, M. T. van den Berselaar, M. K. Daha, and R. van Furth
N. A. Kaushal, R. Hussain, T. E. Nash, and E. A. Ottesen
H. W. Murray, H. Masur, and J. S. Keithly
H. W. Murray
P. J. Wettstein and K. J. Blank
Y. Katsura, Y. Takaoki, and N. Minato
K. Nielsen and J. R. Duncan
S. Kohl and L. S. Loo
A. N. Jayawardena, D. B. Murphy, C. A. Janeway, and R. K. Gerston

320 Genetic Regulation of the Immune Response to Hepatitis B Surface Antigen (HBsAg). I. H-2 Restriction of the Murine Humoral Immune Response to the a and d Determinants of HBsAg

326 Immunity to Herpes Simplex Virus Type 2. IV. Impaired Lymphokine Production during Recrudescence Correlates with an Imbalance in T Lymphocyte Subsets

332 Stimulation of the Intracellular Killing of Staphylococcus aureus by Monocytes: Regulation by Immunoglobulin G and Complement Components C3/C3b and B/Bb

338 Identification and Characterization of Excretory-Secretory Products of Brugia malayi, Adult Filarial Parasites

344 Cell-Mediated Immune Response in Experimental Visceral Leishmaniasis. I. Correlation between Resistance to Leishmania donovani and Lymphokine-Generating Capacity

351 Cell-Mediated Immune Response in Experimental Visceral Leishmaniasis. II. Oxygen-Dependent Killing of Intracellular Leishmania donovani Amastigotes

358 Use of H-2-H-7 Congenic Mice to Study H-2-Mediated Resistance to Friend Leukemia Virus

362 Augmentation of Delayed-Type Hypersensitivity to Serum Proteins by Vesicular Stomatitis Virus Infection in Mice: Virus-Suppressor Cell Interactions

366 Demonstration That Nonspecific Bovine Brucella abortus Agglutinin is EDTA-Labile and Not Calcium-Dependent

370 Protection of Neonatal Mice against Herpes Simplex Virus Infection: Probable in Vivo Antibody-Dependent Cellular Cytotoxicity

377 T Cell-Mediated Immunity in Malaria. I. The Ly Phenotype of T Cells Mediating Resistance to Plasmodium Yoelii

Continued on page 6
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>382</td>
<td>Repeated Isolation of Unique Qa2+ Ia+ Clonally Derived Cell Lines from Qa2- Mice</td>
<td>R. S. Rosenson, L. Flaherty, H. Levine, and C. L. Reinisch</td>
</tr>
<tr>
<td>395</td>
<td>Studies of Murine Large Granular Lymphocytes. II. Tissue, Strain, and Age Distributions of LGL and LAL</td>
<td>K. Itoh, R. Suzuki, Y. Umezu, K. Hanaumi, and K. Kumagai</td>
</tr>
<tr>
<td>401</td>
<td>Structural Characterization of the Human T Cell Surface Antigen (p67) Isolated from Normal and Neoplastic Lymphocytes</td>
<td>R. I. Fox, D. Harlow, I. Royston, and J. Elder</td>
</tr>
<tr>
<td>406</td>
<td>A Human Myeloma Cell Line That Does Not Express Immunoglobulin but Yields a High Frequency of Antibody-Secreting Hybridomas</td>
<td>J. W. Pickering and F. B. Gelder</td>
</tr>
<tr>
<td>413</td>
<td>The Effect of Target Cell Differentiation on Human Natural Killer Cell Activity: A Specific Defect in Target Cell Binding and Early Activation Events</td>
<td>J. A. Werkmeister, S. L. Helfand, T. Haliotis, H. F. Pross, and J. C. Roder</td>
</tr>
<tr>
<td>427</td>
<td>Distinct Signals for Antibody-Dependent and Nonspecific Killing of Tumor Targets Mediated by Macrophages</td>
<td>P. Ralph, N. Williams, I. Nakoinz, H. Jackson, and J. D. Watson</td>
</tr>
<tr>
<td>433</td>
<td>Studies on the Mechanism of Natural Killer (NK) Cell-mediated Cytotoxicity (CMC) I. Release of Cytotoxic Factors Specific for NK Sensitive Target Cells (NRCF) during Co-culture of NK Effector Cells with NK Target Cells</td>
<td>S. C. Wright and B. Bonavida</td>
</tr>
</tbody>
</table>

**Announcements**

**Author Index**