133 (1)

*J Immunol* 1984; 133:1-535; ;
http://www.jimmunol.org/content/133/1.citation

This information is current as of April 16, 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
### Communications

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. C. Giles, C. K. Hurley, and J. D. Capra</td>
<td>1</td>
</tr>
<tr>
<td>E. S. Kleinerman and R. B. Herman</td>
<td>4</td>
</tr>
<tr>
<td>Z. K. Ballas</td>
<td>7</td>
</tr>
</tbody>
</table>

#### Primary Structural Variation among Serologically Indistinguishable DS Antigens: The MB3-Bearing Molecule in DR4 Cells Differs from the MB3-Bearing Molecule in DR5 Cells

#### Tumoricidal Activity of Human Monocytes: Evidence for Cytolytic Function Distinct from that of NK Cells

#### The Use of 5-Azacytidine to Establish Constitutive Interleukin 2-Producing Clones of the EL4 Thymoma

### Cellular Immunology

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. A. Harp, B. S. Davis, and S. J. Ewald</td>
<td>10</td>
</tr>
<tr>
<td>L. L. Perry, I. R. Williams, and S. DiRusso</td>
<td>16</td>
</tr>
<tr>
<td>M. J. Stukart, J. Boes, and C. J. M. Melief</td>
<td>24</td>
</tr>
<tr>
<td>M. J. Stukart, J. Boes, and C. J. M. Melief</td>
<td>28</td>
</tr>
<tr>
<td>A. A. Czitrom, N. R. J. Gascoigne, S. Edwards, and D. J. Waterfield</td>
<td>33</td>
</tr>
<tr>
<td>D. T. Harris and R. P. Sekaly</td>
<td>40</td>
</tr>
<tr>
<td>C. Carnaud, S. T. Ishizaka, and O. Stutman</td>
<td>45</td>
</tr>
<tr>
<td>M. D. Minkowski, M. Castellazzi, and G. Buttin</td>
<td>52</td>
</tr>
<tr>
<td>H. von Boehmer, P. Kisielow, W. Leiserson, and W. Haas</td>
<td>59</td>
</tr>
<tr>
<td>M. Adachi, J. Yodoi, N. Noro, T. Masuda, and H. Uchino</td>
<td>65</td>
</tr>
<tr>
<td>R. L. Deem and S. R. Targan</td>
<td>72</td>
</tr>
<tr>
<td>A. Finnegan, B. Needleman, and R. J. Hodes</td>
<td>78</td>
</tr>
<tr>
<td>D. G. Osmond, F. Melchers, and C. J. Paige</td>
<td>86</td>
</tr>
<tr>
<td>M. Fultz, F. D. Finkelman, and J. J. Mond</td>
<td>91</td>
</tr>
</tbody>
</table>

#### Inhibition of T Cell Responses to Alloantigens and Polyonal Mitogens by Ly-5 Antisera

#### Suppressor T Cell Recognition of Major and Minor Histocompatibility Alloantigens: Selected Suppression of MHC-Directed Responses by Minor Alloantigen T

#### Recognition of H2-Kb Mutant Target Cells by Moloney Virus-Specific Cytotoxic T Lymphocytes from bm13 (H-2D^b-Mutant) Mice. I. Full Recognition of K^bm11 by Kb-Restricted CTL

#### Recognition of H-2^Kb Mutant Target Cells by Moloney Virus-Specific Cytotoxic T Lymphocytes from bm13 (H-2D^b-Mutant) Mice. II. Relationship of K^bm11 and K^bm11 in Restriction Specificities and Allodeterminants

#### Induction of Minor Alloantigen-Specific T Cell Subsets In Vivo: Recognition of Processed Antigen by Helper but not by Cytotoxic T Cell Precursors

#### Target Cell Susceptibility to Immune Lysis and Expression of MHC Antigens Are Independent of Position in the Cell Cycle

#### Early Loss of Precursors of CTL and IL 2-Producing Cells in the Development of Neonatal Tolerance to Alloantigens

#### Lack of Adenosine Deaminase Activity in Cultured Murine Cytotoxic T Lymphocytes

#### Lyt-2^- T Cell-Independent Functions of Lyt-2+ Cells Stimulated with Antigen or Concanavalin A

#### Murine IgA Binding Factors Produced by FcαR (+) T Cells: Role of FcγR (+) Cells for the Induction of FcαR and Formation of IgA-Binding Factor in Con A-Activated Cells

#### Evidence of a Dynamic Role of the Target Cell Membrane during the Early Stages of the Natural Killer Cell Lethal Hit

#### Activation of B Cells by Autoreactive T Cells: Cloned Autoreactive T Cells Activate B Cells by Two Distinct Pathways

#### Pre-B Cells in Mouse Bone Marrow: In Vitro Maturation of Peanut Agglutinin Binding B Lymphocyte Precursors Separated from Bone Marrow by Fluorescence-Activated Cell Sorting

#### In Vivo Administration of Anti-I-A Antibody Induces the Internalization of B Cell Surface I-A and I-E without Affecting the Expression of Surface Immunoglobulin

Continued on page 4
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>98</td>
<td>Reduced Expression of Ia Antigens by Thymic Epithelial Cells of Aged Mice</td>
<td>A. G. Farr and C. L. Sidman</td>
</tr>
<tr>
<td>104</td>
<td>Suppression of the Immune Response to Listeria monocytogenes. 1. Immune Complexes Inhibit Resistance</td>
<td>H. W. Virgin IV and E. R. Unanne</td>
</tr>
<tr>
<td>117</td>
<td>Molecular Mechanisms of Lymphocyte Extravasation. II. Studies of In Vitro Lymphocyte Adherence to High Endothelial Venues</td>
<td>B. A. Braaten, G. J. Spangrude, and R. A. Daynes</td>
</tr>
</tbody>
</table>

**CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>123</td>
<td>The Role of Tc Surface Molecules in the Activation of Human T Cells: A Two-Stimulus Requirement for IL 2 Production Reflects Events Occurring at a Pre-translational Level</td>
<td>A. Weiss, R. L. Wiskocil, and J. D. Stobo</td>
</tr>
<tr>
<td>129</td>
<td>Human T Lymphocyte Activation by Monoclonal Antibodies: OKT3, but not UCHT1, Triggers Mitogenesis Via an Interleukin 2-Dependent Mechanism</td>
<td>J. P. Van Wauwe, J. G. Goossens, and P. C. L. Beverley</td>
</tr>
<tr>
<td>137</td>
<td>Specific Inhibition of In Vitro Lymphocyte Transformation by an Anti-Pan T Cell (gp67) Ricin a Chain Immunotoxin</td>
<td>J. A. Brieva and R. H. Stevens</td>
</tr>
<tr>
<td>147</td>
<td>Human In Vivo Antigen-Induced Lymphoblastoid B Cells Are Capable of Cyclical Antibody Production In Vitro</td>
<td>R. L. Looney and G. N. Abraham</td>
</tr>
<tr>
<td>157</td>
<td>Antigenic Analysis of Hematopoiesis. III. A Hematopoietic Progenitor Cell Surface Antigen Defined by a Monoclonal Antibody Raised against KG-1a Cells</td>
<td>G. P. G. Miller and J. Puck</td>
</tr>
<tr>
<td>166</td>
<td>In Vitro Human Lymphocyte Responses to Cryptococcus neoformans: Evidence for Primary and Secondary Responses in Normals and Infected Subjects</td>
<td>E. M. Schneider, G. P. Pawelec, S. LiangRu, and P. Wernet</td>
</tr>
<tr>
<td>173</td>
<td>A Novel Type of Human T Cell Clone with Highly Potent Natural Killer-Like Cytotoxicity Divorced from Large Granular Lymphocyte Morphology</td>
<td>B. Perussia, G. Trinchieri, A. Jackson, N. L. Warner, J. Faust, H. Rumpold, D. Kraft, and L. L. Lanier</td>
</tr>
<tr>
<td>180</td>
<td>The Fc Receptor for IgG on Human Natural Killer Cells: Phenotypic, Functional, and Comparative Studies with Monoclonal Antibodies</td>
<td>M. Zouali, J.-M. Fine, and A. Eyquem</td>
</tr>
<tr>
<td>202</td>
<td>Mononuclear Cell-Mediated Enhancement of Granulocyte Function in Man</td>
<td>F. M. Orson, V. De Seau, S. Pike, and R. M. Blaese</td>
</tr>
<tr>
<td>208</td>
<td>Glucocorticosteroids Stimulate Polyclonal Immunoglobulin Production by Cord Blood Mononuclear Cells</td>
<td>L. J. Compton, A. D. Steinberg, and H. Sano</td>
</tr>
<tr>
<td>217</td>
<td>Characterization of Sequential Immune Complexes in Infective Endocarditis by Western Blot Analysis</td>
<td>M. E. Gershwin, D. R. Lentz, R. S. Beach, and L. S. Hurley</td>
</tr>
<tr>
<td>222</td>
<td>Nutritional Factors and Autoimmunity. IV. Dietary Vitamin A Deprivation Induces a Selective Increase in IgM Autoantibodies and Hypergammaglobulinemia in New Zealand Black Mice</td>
<td>Continued on page 5</td>
</tr>
</tbody>
</table>
Continued from page 4

B. Zakheim, E. McCafferty, S. M. Phillips, M. Clayman, and E. G. Neilson
M. Zanetti, J. Rogers, and D. H. Katz

227 Induction of Various Autoantibodies by Mutant Gene lpr in Several Strains of Mice

234 Murine Interstitial Nephritis. II. The Adoptive Transfer of Disease with Immune T Lymphocytes Produces a Phenotypically Complex Interstitial Lesion

240 Induction of Autoantibodies to Thyroglobulin by Anti-Idiotypic Antibodies

### CYTOKINES • MEDIATORS • REGULATORY MOLECULES

H. S. Lillehoj, T. R. Malek, and E. M. Shevach
J. L. Butler, J. L. Ambrus, Jr., and A. S. Fauci
E. S. Kimball, S. F. Pickeral, J. J. Oppenheim, and J. L. Rossio
C. C. Ting, S. S. Yang, and M. E. Hargrove
J. M. Curtisinger and D. P. Fan
S. K. Arya, F. Wong-Staal, and R. C. Gallo
M. S. Pasternack, M. J. Bevan, and J. R. Klein
A. Biondi, J. A. Roach, S. F. Schlossman, and R. F. Todd
K. E. Wright, D. A. Clark, and W. E. Rawls
M. J. Wannemuehler, S. M. Michalek, E. Jiirillo, S. I. Williamson, M. Hirasawa, and J. R. McGhee
H. E. Broxmeyer and E. Platter

244 Differential Effect of Cyclosporin A on the Expression of T and B Lymphocyte Activation Antigens

251 Characterization of Monoclonal B Cell Growth Factor (BCGF) Produced by a Human T-T Hybridoma

256 Interleukin 1 Activity in Normal Human Urine

261 Induction of Suppressor T Cells by Interleukin 2

267 Interleukin 3 Augments the Murine Primary Cytolytic T Lymphocyte Response to Allogeneic Tumor Cells

273 Dexamethasone-Mediated Inhibition of Human T Cell Growth Factor and γ-Interferon Messenger RNA

277 Release of Discrete Interferons by Cytotoxic T Lymphocytes in Response to Immune and Nonimmune Stimuli

281 Phenotypic Characterization of Human T Lymphocyte Populations Producing Macrophage-Activating Factor (MAF) Lymphokines

286 Differences in Lymphocyte Responsiveness to Lymphokines in Two Inbred Strains of Syrian Hamster

293 Biochemical Comparison of Murine Colony-Stimulating Factors Secreted by a T Cell Lymphoma and a Myelomonocytic Leukemia

299 LPS Regulation of the Immune Response: Bacteroides Endotoxin Induces Mitogenic, Polyclonal, and Antibody Responses in Classical LPS Responsive but not C3H/HeJ Mice

306 Lactoferrin Acts on I-A and I-E/C Antigen Subpopulations of Mouse Peritoneal Macrophages in the Absence of T Lymphocytes and Other Cell Types to Inhibit Production of Granulocyte-Macrophage Colony Stimulatory Factors In Vitro

### IMMUNOCHEMISTRY

S. Alexander, S. C. Hubbard, and J. L. Strominger
D. R. Sutherland, C. E. Rudd, and M. F. Greaves
C. G. Gahmberg and K. K. Karhi
M. R. Sher, T. P. Bender, and J. E. Niederhuber
F. Takei
R. S. Weeks, P. E. Mains, and C. H. Sibley

315 HLA-DR Antigens of Autologous Melanoma and B Lymphoblastoid Cell Lines: Differences in Glycosylation but not Protein Structure

321 The Antigen of Mature Human B Cells Detected by the Monoclonal Antibody FMC7: Studies on the Nature of the Antigen and Modulation of Its Expression

327 Isolation and Characterization of a Human T Lymphocyte-Associated Glycoprotein (gp40)

334 Association of Rh, (D) Polypeptides with the Membrane Skeleton in Rh, (D)-Positive Human Red Cells

338 Two Ia.17-Specific Monoclonal Antibodies Detect the Same Epitope but do not Share Idiotype

345 Mala-1: A Surface Antigen Expressed on Activated Murine T and B Lymphocytes

351 Comparison of Membrane IgM Expression in the Murine B Cell Lymphoma 70Z/3 Treated with LPS or Supernatant Containing T Cell Factors

Continued on page 6
Continued from page 5

T. Uede and K. Ishizaka 359 IgE-Binding Factors from Mouse T Lymphocytes. II. Strain Differences in the Nature of IgE-Binding Factor
M. D. Pescovitz, J. K. Lunney, and D. H. Sachs 368 Preparation and Characterization of Monoclonal Antibodies Reactive with Porcine PBL
C. A. Mikoryak and L. A. Steiner 376 Noncovalent Association of Heavy and Light Chains in Rana catesbeiana Immunoglobulins
S. J. Smith-Gill, T. B. Lavoid, and C. R. Mainhart 384 Antigenic Regions Defined by Monoclonal Antibodies Correspond to Structural Domains of Avian Lysozyme
J. D. Williams, J. K. Czop, D. R. Abrahamson, M. Davies, and K. F. Austen 394 Activation of the Alternative Complement Pathway by Isolated Human Glomerular Basement Membrane
H.-P. Heinz, H. Dlugonska, E. Rude, and M. Loos 400 Monoclonal Anti-Mouse Macrophage Antibodies Recognize the Globular Proteins of Clq, a Subcomponent of the First Component of Complement
J. Granados, D. V. Cramer, J. B. Caputo, D. Marcus, and C. A. Alper 405 Genetic Polymorphism of the Sixth Component (C6) of Rat Complement
D. Hudig, D. Redelman, L. Minning, and K. Carine 408 Inhibition of Human Lymphocyte Natural Cytotoxicity and Antibody-Dependent Cell-Mediated Cytotoxicity by K-76 COONa, a Reagent that Blocks Complement Activity

IMMUNOPHARMACOLOGY

J. I. Gallin, J. A. Metcalf, D. Roos, B. Seligmann, and M. M. Friedman 415 Organelle-Depleted Human Neutrophil Cytoplasts Used to Study FMET-LEU-PHE Receptor Modulation and Cell Function

MICROBIAL IMMUNOLOGY

M. Yasukawa and J. M. Zarling 422 Human Cytotoxic T Cell Clones Directed against Herpes Simplex Virus-Infected Cells. I. Lysis Restricted by HLA Class II MB and DR Antigens
M. S. Smith, R. E. Click, and P. G. W. Plagemann 428 Control of Mouse Hepatitis Virus Replication in Macrophages by a Recessive Gene on Chromosome
C. L. Jaffe, E. Bennett, G. Grimmelldi, Jr., and D. McMahon-Pratt 440 Production and Characterization of Species-Specific Monoclonal Antibodies against Leishmania donovani for Immunodiagnosis
C. A. Nacy 448 Macrophage Activation to Kill Leishmania tropica: Characterization of a T Cell-Derived Factor that Suppresses Lymphokine-Induced Intracellular Destruction of Amastigotes
A. H. Fortier, M. S. Meltzer, and C. A. Nacy 454 Susceptibility of Inbred Mice to Leishmania tropica Infection: Genetic Control of the Development of Cutaneous Lesions in P/J Mice
J. J. Wirth and F. Kierszenbaum 460 Fibronectin Enhances Macrophage Association with Invasive Forms of Trypanosoma cruzi

MOLECULAR BIOLOGY • MOLECULAR GENETICS

R. J. Fulton and J. M. Davie 465 Influence of the Immunoglobulin Heavy Chain Locus on Expression of the VK贵族 Light Chain
E. B. Reilly, R. M. Reilly, R. M. Breyer, R. T. Sauer, and H. N. Eisen 471 Amino Acid and Nucleotide Sequences of Variable Regions of Mouse Immunoglobulin Light Chains of the λ3-Subtype

Continued on page 7
Continued from page 6

P. A. Ponte, M. Dean, V. H. Pepe, and G. E. Sonenshein
Falcoff, M. J. Gelabert, and C. Neauport-Sautes
D. Eilat, M. Hochberg, J. Pumfrey, and S. Rudikoff

476 Overproduction of immunoglobulin mRNA by a Murine Myeloma MOPC 315
Variant Cell Line

482 Isolation and Partial Characterization of Messenger RNA from Murine T
Cell Hybrids Coding for Suppressive Immunoglobulin G-Binding Factor

489 Monoclonal Antibodies to DNA and RNA from NZB/NZW F1 Mice: Antigenic
Specificities and NH2 Terminal Amino Acid Sequences

TUMOR IMMUNOLOGY

K. Thielemans, D. G. Maloney, T. Meeker, J. Fujimoto, C.
Doss, R. A. Warnke, J. Bindl, J. Gralow, R. A. Miller, and R. Levy
A. Taku, R. D. Garman, M. A. N. Wabuke-Bunoti, J. M.
Curtsinger, C. Haarstad, D. P. Fan, V. L. Braciale, and T.
J. Braciale
H. Fujiwara, H. Aoki, T. Yoshioaka, S. Tomita, R. Ikegami,
and T. Hamaoka
I. J. Fidler and A. J. Schroit
A. K. Lichtenstein, J. Kahler, J. Berek, and J. Zighelboim
J. L. Urban and H. Schreiber

495 Strategies for Production of Monoclonal Anti-Idiotype Antibodies against
Human B Cell Lymphomas

502 A Helper Factor Needed for the Generation of Mouse Cytolytic T Lym-
phocytes Is Made by Tumor Cell Lines, Cloned T Cells, and Spleen Cells
Exposed to a Variety of Stimuli

509 Establishment of Tumor-Specific Immunotherapy Model Utilizing TNP-Re-
active Helper T Cell Activity and Its Application to the Autochthonous
Tumor System

515 Synergism between Lymphokines and Muramyl Dipeptide Encapsulated in
Liposomes: In Situ Activation of Macrophages and Therapy of Sponta-
neous Cancer Metastases

519 Successful Immunotherapy with Intraperitoneal Corynebacterium parvum
in a Murine Ovarian Cancer Model Is Associated with the Recruitment of
Tumor-Lytic Neutrophils into the Peritoneal Cavity

527 Rescue of the Tumor-Specific Immune Response of Aged Mice In Vitro

Letter
Announcements
Author Index

535
536
538