130 (1)

J Immunol 1983; 130:1-509; ;
http://www.jimmunol.org/content/130/1.citation

This information is current as of July 15, 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

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

COMMUNICATIONS

M. H. Dresden, C. K. Sung, and A. M. Deelder  
D. W. MacGlashan, Jr., R. P. Schleimer, and L. M. Lichtenstein

CELLULAR IMMUNOLOGY

U. Hamann, K. Eichmann, and P. H. Krammer 7 Frequencies and Regulation of Trinitrophenyl-Specific Cytotoxic T Precursor Cells: Immunization Results in Release from Suppression

R. B. Skelly, Y. Baine, A. Ahmed, B. Xue, and G. J. Thorbecke 15 Cell Surface Phenotype of Lymphoid Cells from Normal Mice and Mice Treated with Monoclonal Anti-lgD from Birth

C. E. Taylor, D. F. Amabaugh, P. W. Stashak, G. Caides, B. Prescott, and P. J. Baker 19 Cell Surface Antigens and Other Characteristics of T Cells Regulating the Antibody Response to Type III Pneumococcal Polysaccharide

O. Kanagawa, J. A. Louis, H. D. Engers, and J.-C. Cerottini 24 Effect of Sublethal Whole-Body Irradiation on Subsequent Secondary Cytolytic T Cell Responses in Vitro

H. M. Gebel, J. R. Scott, C. A. Parvin, and G. E. Rodey 29 In Vitro Immunization to KLH. II. Limiting Dilution Analysis of Antigen-Reactive Cells in Primary and Secondary Culture


G. M. Kammer, J. A. Smith, and R. Mitchell 38 Capping of Human T Cell Specific Determinants: Kinetics of Capping and Receptor Re-expression and Regulation by the Cytoskeleton


H. Osawa and T. Diamantstein 51 The Characteristics of a Monoclonal Antibody That Binds Specifically to Rat T Lymphoblasts and Inhibits IL 2 Receptor Functions

R. L. Hayes and H. N. Claman 56 Pretreatment with Minor Histocompatibility Antigens Prevents the Development of Functional CTL Helper Cell Activity

R. G. Miller, H. R. Derry, and B. J. Sarjeant 63 The Extent of Self-MHC Restriction of Cytotoxic T Cells in Nude Mice Varies from Mouse to Mouse

Y. Asano, A. Singer, and R. J. Hodes 67 Role of the Major Histocompatibility Complex in T Cell Activation of B Cell Subpopulations: IV Gene Regulation of the T Cell-Dependent Activation of Distinct B Cell Subpopulations

J. M. Teale 72 Abnormalities in Isotype Expression in CBA/N Mice Due to Stimulatory Environment Rather than a B Cell Defect

M. F. Good and G. J. V. Nossal 78 Characteristics of Tolerance Induction among Adult Hapten-Specific T Lymphocyte Precursors Revealed by Clonal Analysis

B. Grouix and D. W. Scott 86 Role of Self Carriers in the Immune Response and Tolerance. VIII. Suppression of the MOPC-104E Idiotype Response by Idiotype-Modified Self, but Not by Dextran-Modified Self

C. Julian, N. A. Speck, and S. K. Pierce 91 Primary Amines Inhibit the Triggering of B Lymphocytes to Antibody Synthesis

A. Matoso-Ferreira and O. Mäkelä 97 Fine-Specificity of the Contact Sensitivity to 4-Hydroxy-3-Nitrophenyl Acetyl (NP) Macrophage Maturation: Differences in Complement Secretion by Marrow, Monocyte, and Tissue Macrophages Detected With an Improved Hemolytic Plaque Assay

S. E. Alpert, H. S. Auerbach, F. S. Cole, and H. R. Conlon 102 Fine-Specificity of the Contact Sensitivity to 4-Hydroxy-3-Nitrophenyl Acetyl (NP) Macrophage Maturation: Differences in Complement Secretion by Marrow, Monocyte, and Tissue Macrophages Detected With an Improved Hemolytic Plaque Assay

Continued on page 4
Continued from page 3

P. Ralph, M.-K. Ho, P. B. Litcofsky, and T. A. Springer


D. M. Segal, S. K. Dower, and J. A. Titus

D. M. Segal, J. A. Titus, and S. K. Dower

Continued on page 5
A Human T Cell-Derived Soluble Factor Able to Suppress Pokeweed Mitogen-Induced Immunoglobulin Production

Induction of Human IgE Synthesis by a Factor Derived from T Cells of Patients with Hyper-IgE States

C-Reactive Protein (CRP) Mediated Modulation of Human B Cell Colony Development

Release of a Lymphokine-Like Plasminogen Activator by Stimulated B Lymphocytes

Coordinate Expression of Macrophage Procoagulant and Fibrinolytic Activity in Vitro and in Vivo

Blast Transformation of B Cells Induced by α-Macroglobulin-Associated Lymphokine Produced in Crowded Lymphoid Cell Cultures

Analysis of the Oligosaccharides on the HLA-DR and DC1 B Cell Antigens

Structural Heterogeneity of the Human la Molecular Pool as Detected by Cross-Reacting Mouse Monoclonal Antibodies

Separation of Three Class II Antigens from a Homozygous Human B Cell Line

Evidence for Beta2-Microglobulin-like and H-2-Like Antigenic Determinants in Drosophila

Immunoregulatory Factors Derived from Human Tumors. II. Partial Purification and Further Immunobiochemical Characterization of a Human Sarcoma-Derived Immunosuppressive Factor Expressing HLA-DR and Immunoglobulin-Related Determinants

Stable Hamster-Mouse Hybridomas Producing IgG and IgM Hamster Monoclonal Antibodies of Defined Specificity

Restriction in IgM Expression. IV. Affinity Analysis of Monoclonal Anti-phosphorylcholine Antibodies

Purification and Biochemical Characterization of Human Liver-Derived Inhibitory Protein (LIP)

The Interaction of Human and Rodent IgE with the Human Basophil IgE Receptor

Naturally Abundant Basophils in the Snapping Turtle, Chelydra serpentina, Possess Cytophilic Surface Antibody with Reaginic Function

Phagocytosis of Mast Cell Granules by Cultured Fibroblasts

Induction of an IgE Response in Mice by Nippostrongylus brasiliensis: Characterization of Lymphoid Cells with Intracytoplasmic or Surface IgE

Histamine-InducedSuppressor Factor (HSF): Inhibition of Helper T Cell Generation and Function

Changes in Intracellular Glutathione Levels in Stimulated and Unstimulated Lymphocytes in the Presence of 2-Mercaptoethanol or Cysteine

Inhibition of K and NK Lymphocyte Cytotoxicity by an Inhibitor of Adenosine Deaminase and Deoxyadenosine

Increased Expression of C3b Receptors on Polymorphonuclear Leukocytes Induced by Chemotactic Factors and by Purification Procedures

Continued on page 6
### MICROBIAL IMMUNOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>V. Rivas and T. J. Rogers</td>
<td>376</td>
</tr>
<tr>
<td>K. Elkind and S. Olmes</td>
<td>380</td>
</tr>
<tr>
<td>R. C. Kennedy and G. R. Dreesman</td>
<td>385</td>
</tr>
<tr>
<td>W. P. Carney, V. Iacovelli, and M. S. Hirsch</td>
<td>390</td>
</tr>
<tr>
<td>L. Lefrancois and D. S. Lyles</td>
<td>394</td>
</tr>
<tr>
<td>D. S. Strayer, E. Skaletsky, G. F. Carballada, P. A. Sharp, L. B. Corbell, S. Sell, and J. L. Leibowitz</td>
<td>399</td>
</tr>
<tr>
<td>W. L. Dempsey and J. M. Mansfield</td>
<td>405</td>
</tr>
<tr>
<td>J. A. Inverso and J. M. Mansfield</td>
<td>412</td>
</tr>
<tr>
<td>J. V. Weinstock and D. L. Boros</td>
<td>418</td>
</tr>
<tr>
<td>J. V. Weinstock, S. W. Chensue, and D. L. Boros</td>
<td>423</td>
</tr>
<tr>
<td>W. M. El-Sadr, M. Alkawa, and B. M. Greene</td>
<td>428</td>
</tr>
<tr>
<td>P. J. McElroy, M. R. Szewczuk, and A. D. Bebus</td>
<td>435</td>
</tr>
</tbody>
</table>

- Studies on the Cellular Nature of *Candida albicans*-Induced Suppression
- Animal Toxicity of *Shigella dysenteriae* Cytotoxin: Evidence That the Neurotoxic, Enterotoxic, and Cytotoxic Activities Are Due to One Toxin
- Common Idiotypic Determinant Associated with Human Antibodies to Hepatitis B Surface Antigen
- Functional Properties of T Lymphocytes and Their Subsets in Cytomegalovirus Mononucleosis
- Antigenic Determinants of Vesicular Stomatitis Virus: Analysis with Antigenic Variants
- Malignant Rabbit Fibroma Virus Causes Secondary Immunosuppression in Rabbits
- Lymphocyte Function in Experimental African Trypanosomiasis. V. Role of Antibody and the Mononuclear Phagocyte System in Variant-Specific Immunity
- Genetics of Resistance to the African Trypanosomes. II. Differences in Virulence Associated with VSSA Expression among Clones of *Trypanosoma rhodesiense*
- Organ-Dependent Differences in Composition and Function Observed in Hepatic and Intestinal Granulomas Isolated from Mice with Schistosomiasis Mansoni
- Modulation of Granulomatous Hypersensitivity. V. Participation of Histamine Receptor Positive and Negative Lymphocytes in the Granulomatous Response of *Schistosoma mansoni*-Infected Mice
- In Vitro Immune Mechanisms Associated with Clearance of Microfilariae of *Dirofilaria immitis*
- Regulation of Heterologous IgM, and IgA Antibody Responses in Mucosal-Associated Lymphoid Tissues of *Nippostrongylus brasiliensis*-Infected Mice

### MOLECULAR GENETICS

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>K. L. Dreher, J. A. Sogn, F. T. Gates, M-C. Kuo, and T. J. Kindt</td>
<td>442</td>
</tr>
<tr>
<td>J. M. McNicholas, D. P. King, and P. P. Jones</td>
<td>449</td>
</tr>
<tr>
<td>K. L. Rock, M. C. Barnes, R. N. Germain, and B. Benacerraf</td>
<td>457</td>
</tr>
</tbody>
</table>

- Allotype-Defined mRNA for Rabbit Immunoglobulin H and L Chains Isolated from Rabbit-Mouse Hybridomas
- Biosynthesis and Expression of Ia and H-2 Antigens on a Macrophage Cell Line Are Stimulated by Products of Activated Spleen Cells
- The Role of Ia Molecules in the Activation of T Lymphocytes. II. Ia-Restricted Recognition of Allo K/D Antigens Is Required for Class I MHC-Stimulated Mixed Lymphocyte Responses
- Expression of H-2D* and H-2L* Mouse Major Histo compatibility Antigen Genes in L Cells after DNA-Mediated Gene Transfer

### TUMOR IMMUNOLOGY

<table>
<thead>
<tr>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. D. Kay and D. L. Smith</td>
<td>475</td>
</tr>
<tr>
<td>D. E. Harrison and G. A. Carlson</td>
<td>484</td>
</tr>
<tr>
<td>A. E. Campbell, F. L. Foley, and S. S. Tevethia</td>
<td>490</td>
</tr>
<tr>
<td>V. Duprez, M. F. Mescher, and S. J. Burakoff</td>
<td>493</td>
</tr>
<tr>
<td>S. Kurata, T. Tauchiya, T. Norimura, and U. Yamashita</td>
<td>496</td>
</tr>
<tr>
<td>N. Takeichi, D. Ba, Y. Koga, and H. Kobayashi</td>
<td>501</td>
</tr>
<tr>
<td>J. A. Dreb, C. Waltenbaugh, S. Schatten, B. Benacerraf, and M. I. Greene</td>
<td>506</td>
</tr>
</tbody>
</table>

- Biochemical Evidence for Expression of a Semi-Allogeneic, H-2 Antigen by a Murine Adenocarcinoma
- Regulation of Human Lymphocyte-Mediated Natural Killer (NK) Cell Activity. I. Inhibition *in Vitro* by Peripheral Blood Granulocytes
- Effects of the Beige Mutation and Irradiation on Natural Resistance to Marrow Grafts
- Demonstration of Multiple Antigenic Sites of the SV40 Transplantation Rejection Antigen by Using Cytotoxic T Lymphocyte Clones
- Stimulation of Secondary Anti-MSV Cytolytic T Lymphocytes with MBL-2 Reconstituted Membranes
- Evidence for Cytostatic T Cell Activity in the Effector Mechanism against Syngeneic TMT Mammary Tumor Cells in Mice
- Immunologic Suppression of Carcinogenesis in Spontaneously Hypertensive Rats (SHR) with T Cell Depression
- Inhibition of Tumor Growth by Monoclonal Anti-I-J Antibodies