128 (6)

*average

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

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

M. A. Aldo-Benson and M. D. Benson  2390 SSA Suppression of Immune Response in Vitro: Evidence for an Effect on T Cell-Macrophage Interaction
J. C. Lee, A. J. Hapel, and J. N. Ihle  2393 Constitutive Production of a Unique Lymphokine (IL 3) by the WEHI-3 Cell Line
J. Y. Niederkorn and J. W. Streilein  2470 Induction of Anterior Chamber-Associated Immune Deviation (ACAID) by Allogeneic Intraocular Tumors Does Not Require Splenic Metastases
K-C. Lee and M. Wong  2487 Functional Heterogeneity of Culture-Grown Bone Marrow-Derived Macrophages. II. Lymphokine Stimulation of Antigen-Presenting Function
J. A. O'Malley, A. Nussbaum-Blumenson, D. Sheedy, B. J. Grossmayer, and H. Ozer  2522 Identification of the T Cell Subset That Produces Human γ Interferon
J. W. Moorhead and M-S. Sy  2533 Antigen Receptors on Murine T Lymphocytes in Contact Sensitivity. II. Preparation and Characterization of Syngeneic Anti-Idiotypic Serum against DNFB-Sensitized T Cells
K. Takatsu, Y. Sano, N. Hashimoto, S. Tomita, and T. Hamaoka  2575 Acceptor Site(s) for T Cell-Replacing Factor (TRF) on B Lymphocytes. I. TRF-Substituting Activity of Anti-TRF Acceptor Site(s) Antibody in the Triggering of B Cells
A. Tominaga, K. Takatsu, and T. Hamaoka  2581 Acceptor Site(s) for T Cell-Replacing Factor (TRF) on B Lymphocytes. II. Activation of B Cells by Cross-Linkage or Aggregation of the TRF Acceptor Molecule
S. Kyoizumi, N. Noro, K. Teshigawara, S. Sakaguchi, and T. Masuda  2586 A Cloned Cell Line, Mk,, Possessing 1a Antigens and Accessory Cell Activity
E. Eerola, O. Lassila, D. G. Gilmore, and A. Toivanen  2652 Induction of B Cell Differentiation in Vitro by Bursal Epithelium
J. M. Williams, H. M. Shapiro, E. L. Milford, and T. B. Strom  2676 Multiparameter Flow Cytometric Analysis of Lymphocyte Subpopulation Activation in Lectin-Stimulated Cultures
M. J. Stadecker, D. J. Wyler, and J. A. Wright  2739 1a Antigen Expression and Antigen-Presenting Function by Macrophages Isolated from Hypersensitivity Granulomas
S. Landolfo, B. Arnold, and M. Suzan  2807 Immune (γ) Interferon Production by Murine T Cell Lymphomas

CLINICAL IMMUNOLOGY

M. A. Rodriguez, J. L. Ceuppens, and J. S. Goodwin  2422 Regulation of IgM Rheumatoid Factor Production in Lymphocyte Cultures from Young and Old Subjects
J. L. Ceuppens and J. S. Goodwin  2429 Regulation of Immunoglobulin Production in Pokeweed Mitogen-Stimulated Cultures of Lymphocytes from Young and Old Adults
T. R. Cupps, L. C. Edgar, and A. S. Fauci  2453 Suppression of Human B Lymphocyte Function by Cyclophosphamide
T. Timonen, J. R. Ortaldo, and R. B. Herberman  2514 Analysis by a Single Cell Cytotoxicity Assay of Natural Killer (NK) Cell Frequencies among Human Large Granular Lymphocytes and of the Effects of Interferon on Their Activity

Continued on page 4
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase of Hybridoma Formation by Human Lymphocytes after Stimulation in Vitro; Effect of Antigen, Endothelial Cells, and PWM</td>
<td>2539</td>
</tr>
<tr>
<td>Marked in Vitro Spontaneous Secretion of IgA by Human Rib Bone Marrow Mononuclear Cells</td>
<td>2604</td>
</tr>
<tr>
<td>Ultrastructure of Human Natural Killer Cells: Nature of the Cytolytic Contacts in Relation to Cellular Secretion</td>
<td>2691</td>
</tr>
<tr>
<td>Autologous Mixed Lymphocyte Reaction in Man. II. Autoreactive and Alloreactive Cells Belong to Two Different T Cell Subsets</td>
<td>2698</td>
</tr>
<tr>
<td>Human T Cell Hybridomas Producing Lymphokines. I. Establishment and Characterization of Human T Cell Hybridomas Producing Lymphotoxin and Migration Inhibitory Factor</td>
<td>2714</td>
</tr>
<tr>
<td>Soluble Bacterial Antigen Induces Specific Helper and Cytotoxic Responses by Human Lymphocytes in Vitro</td>
<td>2734</td>
</tr>
</tbody>
</table>

**IMMUNOCHEMISTRY**

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asymmetrical Surface IgG on MOPC-21 Plasmacytoma Cells Contains One Membrane Heavy Chain and One Secretory Heavy Chain</td>
<td>2416</td>
</tr>
<tr>
<td>Opsonic Properties of C-reactive Protein in Vivo</td>
<td>2435</td>
</tr>
<tr>
<td>Clustering of Antigenic Determinants on H-2 Molecules</td>
<td>2465</td>
</tr>
<tr>
<td>A Role for C-Reactive Protein in the Complement-Mediated Stimulation of Human Neutrophils by Type 27 Streptococcus pneumoniae</td>
<td>2493</td>
</tr>
<tr>
<td>Spontaneous Activation of the First Component of Human Complement (C1) by an Intramolecular Autocatalytic Mechanism</td>
<td>2500</td>
</tr>
<tr>
<td>A New Role for C1-Inhibitor in Homeostasis: Control of Activation of the First Component of Human Complement</td>
<td>2505</td>
</tr>
<tr>
<td>FCYR Receptor-Mediated Prostaglandin Synthesis by a Murine Macrophage Cell Line (P388D,)</td>
<td>2527</td>
</tr>
<tr>
<td>Stimulation of a Human Polymorphonuclear Leukocyte Oxidative Response by the C1q Subunit of the First Complement Component</td>
<td>2547</td>
</tr>
<tr>
<td>Immunoglobulin-Independent Utilization of the Classical Complement Pathway in Opsonophagocytosis of Escherichia coli by Human Peripheral Leukocytes</td>
<td>2643</td>
</tr>
<tr>
<td>A New Murine Cell Surface Differentiation Antigen (Leugp90) Defined by a Rat Monoclonal Antibody: Cellular Distribution and Biochemical Characterization</td>
<td>2664</td>
</tr>
<tr>
<td>Mixing Two Monoclonal Antibodies Yields Enhanced Affinity for Antigen</td>
<td>2709</td>
</tr>
<tr>
<td>Expression of Immunoglobulin Heavy Chain Isotypes by Peyer's Patch Lymphocytes Stimulated with Mitogens in Culture</td>
<td>2719</td>
</tr>
<tr>
<td>The Presence of Sialic Acid on Two Related Bacterial Polysaccharides Determines the Site of the Primary Immune Response and the Effect of Complement Depletion on the Response in Mice</td>
<td>2731</td>
</tr>
<tr>
<td>Complement-Induced Solubilization of C-reactive Protein-Pneumococcal C-Polysaccharide Precipitates: Evidence for Covalent Binding of Complement Proteins to C-Reactive Protein and to Pneumococcal C-Polysaccharide</td>
<td>2745</td>
</tr>
<tr>
<td>Assays for the SM and RNP Autoantigens: The Requirement for RNA and Influence of the Tissue Source</td>
<td>2751</td>
</tr>
<tr>
<td>Naturally Occurring Antibodies against Nine Common Antigens in Human Sera. I. Detection, Isolation, and Characterization</td>
<td>2779</td>
</tr>
<tr>
<td>Naturally Occurring Antibodies against Nine Common Antigens in Humans Sera. II. High Incidence of Monoclonal Ig Exhibiting Antibody Activity against Actin and Tubulin and Sharing Antibody Specificities with Natural Antibodies</td>
<td>2788</td>
</tr>
<tr>
<td>A Reevaluation of the Putative Association between the FcY Receptor and Histocompatibility Antigens on Human Mononuclear Leukocytes</td>
<td>2810</td>
</tr>
</tbody>
</table>

Continued on page 5
IMMUNOGENETICS AND TRANSPLANTATION


J. A. Kapp and B. A. Araneo

Y. Kohno and J. A. Berzofsky

G. S. Hansen, A. Sveigaars, and M. H. Claesson

R. M. Gorczynski and S. MacRae

H. C. Passmore

D. Wernet, H. Heinrichs, and P. Wernet

M. G. Scott and J. B. Fleischman

P. J. Wettstein

L. N. K. Fuge Abruzzini and B. D. Schwartz

S. W. Hill and J. A. Frelinger

M. J. Nelles and A. Nisonoff


M. I. Lorber, M. R. Loken, A. M. Stall, and F. W. Fitch

S. F. Radka, D. D. Kostyu, and D. B. Amos

The T Lymphocyte Response to Cytochrome C. III. Relationship of the Fine Specificity of Antigen Recognition to Major Histocompatibility Complex Genotype

Antigen-Specific Suppressor T Cell Interactions. I. Induction of an MHC-Restricted Suppressor Factor Specific for L-Glutamic Acid\textsuperscript{260}\texttextsuperscript{-L-Tyrosine\textsuperscript{280}}

Genetic Control of the Immune Response to Myoglobin. V. Antibody Production in Vitro Is Macrophage and T Cell-Dependent and Is under Control of Two Determinant-Specific Ir Genes

T Cell Clones Restricted to “Hybrid” HLA-D Antigens?

Role of Genes in Murine Major Histocompatibility Complex (MHC) in the Ontogeny of B Cells with Restricted Capacity for Cooperation with Adherent Cells in the Production of Antibody to Thymus-Dependent (TD) and Thymus-Independent Type 2 (TI-II) Antigens

An Erythrocyte and Serum Antigen with a Specificity Antithetical to the Mouse C4 Associated H-2.7 Antigen

Genetic Regulation of the Antibody Response to H-2D\textsuperscript{b} Alloantigens in Mice. IV. Antigens That Activate Helper T Cells for IgG, Coded for by the Non-H-2 Genome

Preferential Idiotype-Isotype Associations in Antibodies to Diphenylphenyl Antigens

H-2 Effects on Cell-Cell Interactions in the Response to Single Non-H-2 Alloantigens. V. Effects of H-2K\textsuperscript{b} Mutations on Presentation of H-4 and H-3 Alloantigens

Tentative Assignment of Alleles for Guinea Pig La Antigens. I. La.3,5 and La.4,5 Share Structural Homology Expected for Alleles

Genetic Control of the Immune Response in Chimeric Mice

H-2 Effects on Cell-Cell Interactions in the Response to Single Non-H-2 Alloantigens. V. Effects of H-2K\textsuperscript{b} Mutations on Presentation of H-4 and H-3 Alloantigens

An Erythrocyte and Serum Antigen with a Specificity Antithetical to the Mouse C4 Associated H-2.7 Antigen

Induction of Immunoglobulin Secretion by a Simple Nucleoside Derivative

Demonstration of Primary Cytotoxic T Cells in Venous Blood and Cerebrospinal Fluid of Children with Mumps Meningitis

Mucosal Mast Cells. I. Isolation and Functional Characteristics of Rat Intestinal Mast Cells

Mucosal Mast Cells. II. Effects of Anti-allergic Compounds on Histamine Secretion by Isolated Intestinal Mast Cells

Modulation of Lymphocyte Migration by Human Lymphokines. I. Identification and Characterization of Chemoattractant Activity for Lymphocytes from Mitogen-Stimulated Mononuclear Cells

A Monoclonal Antibody Directed against the HLA-Bw6 Epitope

IMMUNOPATHOLOGY

M. G. Goodman and W. O. Weigle


A. D. Befus, F. L. Pearce, J. Gauldie, P. Horsewood, and J. Bienenstock

F. L. Pearce, A. D. Befus, J. Gauldie, and J. Bienenstock

D. M. Center and W. Cruikshank

W. Cruikshank and D. M. Center

W. R. Henderson, A. Jorg, and S. J. Klebanoff

S. Nakamura, F. Goto, K. Goto, and M. Yoshinaga

Induction of Immunoglobulin Secretion by a Simple Nucleoside Derivative

Demonstration of Primary Cytotoxic T Cells in Venous Blood and Cerebrospinal Fluid of Children with Mumps Meningitis

Mucosal Mast Cells. I. Isolation and Functional Characteristics of Rat Intestinal Mast Cells

Mucosal Mast Cells. II. Effects of Anti-allergic Compounds on Histamine Secretion by Isolated Intestinal Mast Cells

Modulation of Lymphocyte Migration by Human Lymphokines. I. Identification and Characterization of Chemoattractant Activity for Lymphocytes from Mitogen-Stimulated Mononuclear Cells

Modulation of Lymphocyte Migration by Human Lymphokines. II. Purification of a Lympholytic Factor (LCF)

Eosinophil Peroxidase-Mediated Inactivation of Leukotrienes B\textsubscript{4}, C\textsubscript{4}, and D\textsubscript{4}

Physicochemical Characterization of a PMN-Derived Soluble Factor That Enhances Lymphocyte DNA Synthesis

Continued on page 6
Continued from page 5

A. R. Mayrer, M. Kashgarian, N. H. Ruddle, R. Marier, C. J. Hodson, F. F. Richards, and V. T. Andriele


S. A. Weitzman and T. P. Stossel

2634 Tubulointerstitial Nephritis and Immunologic Responses to Tamm-Horsfall Protein in Rabbits Challenged with Homologous Urine or Tamm-Horsfall Protein

2726 Isolation and Characterization of Circulating Feline Leukemia Virus-Immune Complexes from Plasma of Persistently Infected Pet Cats Removed by ex Vivo Immunosorption

2770 Effects of Oxygen Radical Scavengers and Antioxidants on Phagocyte-Induced Mutagenesis

TUMOR IMMUNOLOGY

R. T. Hoppe and M. J. Dorie

P. Rubin, H. F. Pross, and J. C. Roder


M. I. Colnaghi, S. Menard, E. Tagliabue, and G. D. Torre

J. Gordon, V. A. Anderson, and G. T. Stevenson

P. A. Marino and D. O. Adams

2387 Successful Murine Tumor Allotransplantation after Total Lymphoid Irradiation

2553 Studies of Human Natural Killer Cells. II. Analysis at the Single Cell Level

2599 Detection of a Tumor-Associated Antigen on the Surface of Human Myelogenous Leukemia Cells

2757 Heterogeneity of the Natural Humoral Anti-tumor Immune Response in Mice as Shown by Monoclonal Antibodies

2773 Loss of Surface-Bound Antibody Accompanying the Anti-complementary Modulation of Leukemic B Cell Immunoglobulin: Contrasting Effects of Antibodies Directed against Idiotypic and Constant Regions

2816 The Capacity of Activated Murine Macrophages for Augmented Binding of Neoplastic Cells: Analysis of Induction by Lymphokine Containing MAF and Kinetics of the Reaction

VIRAL AND MICROBIAL IMMUNOLOGY


J. McLaughlin

J. Yewdell and W. Gerhard

2509 Studies on the Induction and Specificity of Cytotoxicity to Theileria-Transformed Cell Lines

2656 Subcellular Distribution of Particle-Associated Antigens in Trypanosoma rhodesiense

2670 Delineation of Four Antigenic Sites on a Paramyxovirus Glycoprotein via Which Monoclonal Antibodies Mediate Distinct Antiviral Activities

COMMUNICATIONS


2824 Demonstration of Two Subtypes of Human Leukocyte Interferon (IFN-α) by Monoclonal Antibodies

2825 Dihydrotestosterone and Estradiol Deplete Corticosensitive Thymocytes Lacking in Receptors for These Hormones

Announcements

2829

Errata

2831

Author Index

2832

Ad Hoc Reviewers

2834

Author Index to Volume 128

2836

Subject Index to Volume 128

2842