This information is current as of April 9, 2017.

135 (2)

J Immunol 1985; 135:865-1537; ;
http://www.jimmunol.org/content/135/2.citation

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

T. J. Waldschmidt, J. E. Layton, S. F. McFadden, J. W. Uhr, and E. S. Vitetta 865 sIgD and sIgD B Cells Responding to Thymus-Independent Antigens Have a Different Lymphokine Requirement

J. M. Jones 868 Complementation for Immune Responsiveness Involving Genetic Factors Not Linked to the RT1 of Rats

C. L. Sidman, L. D. Schultz, and R. Evans 870 A Serum-Derived Molecule from Autoimmune Viable Motheaten Mice Potentiates the Action of a B Cell Maturation Factor

CELLULAR IMMUNOLOGY

J. D. Levich, D. E. Parks, and W. O. Weigle 873 Tolerance Induction in Antigen-Specific Helper T Cell Clones and Lines In Vitro

Y. A. Mekori and S. J. Galli 879 Undiminished Immunologic Tolerance to Contact Sensitivity in Mast Cell-Deficient W/W+ and SI/SI' Mice

E. T. Collins, E. D. Hershey, and D. C. Benjamin 886 Tolerance to Azobenzenearsenonate: Idiotype-Specific Suppression, B Cell Dominance, and Clonal Elimination

R. Shimonkevitz, B. Luescher, J.-C. Cerottini, and H. R. MacDonald 892 Clonal Analysis of Cytolytic T Lymphocyte-Mediated Lysis of Target Cells with Inducible Antigen Expression: Correlation between Antigen Density and Requirement for Lyt-2/3 Function

J. R. Yannelli, L. C. Moore, and V. H. Engelhard 900 Multiple Epitopes on Human and Murine Cells Expressing HLA-B7 as Defined by Specific Murine Cytotoxic T Cell Clones

R. F. Siliciano, A. D. Keegan, R. Z. Dintzis, H. M. Dintzis, and H. S. Shin 906 The Interaction of Nominal Antigen with T Cell Antigen Receptors. I. Specific Binding of Multivalent Nominal Antigen to Cytolytic T Cell Clones

P. B. Hausman, D. H. Sherr, and M. E. Dorf 915 Mechanism Controlling the Genetic Restrictions of an NP-Specific Suppressor Factor that Inhibits B Cell Responses

P. Jardieu, T. Uede, and K. Ishizaka 922 Presence of an Antigen-Specific T Cell Subset that Forms IgE-Suppressive Factor and IgG-Suppressive Factor on Antigenic Stimulation

C. O. Elson and W. Ealding 930 Genetic Control of the Murine Immune Response to Cholera Toxin

P. M. Flood, B. Chue, and R. B. Whitaker 933 Information Transfer between T Cell Subsets Is Directed by I-J+ Antigen Nonspecific Molecules

Announcement of Changes in Publishing Schedule and Rates for The Journal of Immunology

As of January 1, 1986, the following changes will become effective:
The Journal of Immunology will publish twice each month, with 12 issues per volume and two volumes per year.

Subscriptions for domestic members of the American Association of Immunologists will be $75 per year; for foreign members, $875 per year plus postal charges of $55. Nonmember subscriptions for U.S. institutions will be $1170 per year; foreign institutions, $1170 plus postal charges of $55. Nonmember personal subscriptions will be $150 per year; nonmember personal foreign subscriptions will be $150 per year plus postal charges of $55.

Single copies will be $8 each. Foreign postage will be an additional $3 per single copy.

Page charges to authors will be $866 per page.
A Correlation between Conditioning and Engraftment in Recipients of MHC-Mismatched T Cell-Depleted Murine Bone Marrow Transplants

Transplantation of Cultured Thymic Fragments. VI. H-2 Recombinant Donors

B. Cell Immune Repertoire Diversifies in a Predictable Temporal Order In Vitro

Relationship between Immunoglobulin Production and Immortalization by Epstein Barr Virus

In Vivo Maturation of Pre-B Cells Derived from Long-Term Cultured Bone Marrow

The B Cell Surface Molecule B1 Is Functionally Linked with B Cell Activation and Differentiation

Antigen-Specific B Cells Efficiently Present Low Doses of Antigen for Induction of T Cell Proliferation

Different Antigen-Presenting Cells Differ in Their Capacity to Induce Lymphokine Production and Proliferation of an Apo-Cytochrome c-Specific T Cell Clone

Mitogen-Like Monoclonal Anti-Actin Antibodies

Methods for the Production of Xenogeneic Monoclonal Antibodies in Murine Ascites

Pluripotential Hematopoietic Stem Cells in Post-5-Fluorouracil Murine Bone Marrow Express the Thy-1 Antigen

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

Cloned Allospecific Human Helper T Cell Lines Induce an MHC-Restricted Proliferative Response By Resting B Cells

Functional Characterization of LFA-1 Antigens in the Interaction of Human NK Clones and Target Cells

Differential Ia Antigen Expression by Autologous Human Erythroid and B Lymphoblastoid Cell Lines

Human Peripheral Blood Mononuclear Cells Produce IgA Anti-Influenza Virus Antibody in a Secondary In Vitro Antibody Response

Autoregulation of B Cell Growth by an Immunoglobulin M Autoantibody

Decidual Cell-Specific Surface Antigen(s) Recognized by Monoclonal Antibodies: Tissue and Species Distribution

Systemic Immunologic Stimuli Increase Class I and II Antigen Expression in Mouse Kidney

Two-Color Immunofluorescence and Flow Cytometry Analysis of Lymphocytes in Long-Term Renal Allograft Recipients: Identification of a Major Leu-7'/LEU-2+ Subpopulation

Cellular Immunity in Q Fever: Modulation of Responsiveness by a Suppressor T Cell-Monocyte Circuit

Systematic Comparison of Antibody-Mediated Mechanisms of Keratinocyte Lysis In Vitro

Establishment of a Nucleoside-Specific Suppressor T Cell Line from SLE Prone (NZB/NZW)F1 Mice

Murine Monoclonal Anti DNA Autoantibodies Bind to Endogenous Bacteria

Continued on page 5
1091 Suppression of Murine Lupus Autoantibodies to DNA by Administration of Muramyl Dipeptide and Syngeneic Anti-DNA IgG

1097 Interaction of DNA with Connective Tissue Matrix Proteins Reveals Preferential Binding to Type V Collagen

1101 In Vitro Production of Anti-Histone Antibodies by Spleen Cells from Young Autoantibody Negative NZB/NZW Mice

1108 In Vivo Activation of Autoreactive Cytotoxic T Lymphocytes after Bone Marrow Transplantation: Evidence for the Prethymic Specificity of T Cells

1113 Type II Collagen-Reactive T Cell Clones from Mice with Collagen-Induced Arthritis

1119 Activation of Mouse Lymphocytes Inhibits Induction of Rapid Cell Death by X-Irradiation

1126 The Wasted Mutant Mouse. I. An Animal Model of Secretory IgA Deficiency with Normal Serum IgA

1132 Production of Interleukin 1 Activity by Normal Human Peripheral Blood B Lymphocytes

1137 Sodium Periodate-Induced T Cell Mitogenesis: An Analysis of the Requirement for lα and IL 1

1145 Natural Killer Activity in Cloned Cytotoxic T Lymphocytes: Regulation by Interleukin 2, Interferon, and Specific Antigen

1153 The Role of Arachidonic Acid Metabolism in the Activities of Interleukin 1 and 2

1160 Induction of IL 2 Receptor Expression and Cytotoxicity of Thymocytes by Stimulation with TCF

1165 Interferon-γ Modulates HLA Class II Antigen Expression on Cultured Human Thymic Epithelial Cells

1172 Prostaglandin E2 Acts at Two Distinct Pathways of T Lymphocyte Activation: Inhibition of Interleukin 2 Production and Down-Regulation of Transferrin Receptor Expression

1180 Selective Improvement of Thymus and Some T Cell Dysfunctions in NZB Mice by In Utero Thymulin Treatment

1186 Long-Term Culture of Human Bone Marrow Macrophages: Macrophage Development Is Associated with the Production of a Granulomonopoietic Enhancing Activity (GM-EA)

1194 Activation of Rat and Human Alveolar Macrophage Intracellular Microbial Activity by a Preformed LGL Cytokine

1201 Preliminary Characterization of Human T Cell Suppressor Factor (HTsF) Isolated from Tonsil Cells by Monoclonal Antibody Immunoadsorbence

1207 Physicochemical and Functional Properties of Murine B Cell-Derived B Cell Growth Factor II (WEHI-231-BCGF-II)

1213 Signal Requirements for Growth and Differentiation of Activated Murine B Lymphocytes

Continued on page 6
Continued from page 5

M. Zanetti, F. T. Liu, J. Rogers, and D. H. Katz 1245
S.-C. Luo and R. B. Bankert

D. W. Thomas, J. L. Schauster, M. D. Hoffman, and G. D. Wil- 1259
ner


E. P. Lillehoj, N. B. Myers, D. R. Lee, T. H. Hansen, and J. E. Coligan

C. C. Goodnow and R. L. Raison


T. Sone, K. Tsukamoto, K. Hirayama, Y. Nishimura, T. Tak- 1276
enenchi, M. Aizawa, and T. Sasazuki

M. D. Lubeck, Z. Steplewski, F. Baglia, M. H. Klein, K. J. Dorr- 1287
ington, and H. Koprowski

A. M. Mercurio and P. W. Robbins

B. P. Randazzo, R. J. Dattwyler, A. P. Kaplan, and B. Ghebrehiwet

G. M. Hansch, D. Gemsa, and K. Resch

J. J. O'Shea, E. J. Brown, T. A. Gaither, T. Takahasi, and M. M. Frank

Heavy and Light Chains of a Mouse Monoclonal Autoantibody Express the 1252
Same Idiotype

Cross-Reactive Idiotype Family Observed in the Phthlate-Specific B Cell 1264
Repertoire of Adult BALB/c Mice: Diversity of IgM Compared with IgG 1271
Monoclonal Anti-Phthalate Antibodies

Nonrandom Catabolism of Proteins in the Formation of Antigenic Peptide 1276
Fragments

Structural Analysis of the Myeloma-Associated Membrane Antigen KMA 1281
The Association between Murine β2-Microglobulin and HLA Class I Heavy 1288
Chains Results in Serologically Detectable Conformational Changes of 1325
both Chains

The Interaction of Murine IgG Subclass Proteins with Human Monocyte Fc 1299
Receptors

Activation of Mouse Peritoneal Macrophages Alters the Structure and 1305
Surface Expression of Protein-Bound Lactosaminoglycans

Synthesis of CT Inhibitor (CT-INA) by a Human Monocyte-Like Cell Line. 1313
U937

Induction of Prostanoid Synthesis in Human Platelets by the Late Com- 1320
plement Components C5b-9 and Channel Forming Antibiotic Nystatin: In-
hibition of the Reacylation of Liberated Arachidonic Acid

Tumor-Promoting Phorbol Esters Induce Rapid internalization of the C3b 1325
Receptor Via a Cytoskeleton-Dependent Mechanism

IMMUNOPHARMACOLOGY

F. Shanahan, J. A. Denburg, J. Fox, J. Bienenstock, and D. Befus 1331
Characterization of mast cell heterogeneity: Effects of Neuroenteric Peptides on Histamine Release

C. K. Abrass, S. W. O'Connor, P. J. Scarpace, and L. B. Abrass 1338
Characterization of the β-Adrenergic Receptor of the Rat Peritoneal Macrophage

Calcium Requirements for Increased Complement Receptor Expression During Neutrophil Activation

F. Shanahan, J. A. Denburg, J. Fox, J. Bienenstock, and D. Befus 1331
Calcium Ionophore A23187 Causes Calcium-Dependent Cytolytic Degranulation in Human Eosinophils

C. K. Abrass, S. W. O'Connor, P. J. Scarpace, and L. B. Abrass 1338
Characterization of the β-Adrenergic Receptor of the Rat Peritoneal Macrophage

Calcium Requirements for Increased Complement Receptor Expression During Neutrophil Activation

M. Rola-Pleszczynski 1357
Differential Effects of Leukotriene B4 on T4+ and T8+ Lymphocyte Phenotype and Immunoregulatory Functions

S. Mexmain, J. Cook, J.-C. Algidi ger, N. Guatde, and M. Ridgau 1361
Thymocyte Cyclic AMP and Cyclic GMP Response to Treatment with Metabolites Issued from the Lipoxygenase Pathway

mann, and R. Hirschhorn

W. E. Fogler, R. Wade, D. E. Brundish, I. J. Didier 1372
Characterization of the Interaction of Human Eosinophils and Neutrophils with Opsonized Particles

Continued on page 7
MICROBIAL IMMUNOLOGY

E. Heber-Katz, M. Hollosi, B. Dietzchold, F. Hudecz, and G. D. Fasman

A. Yachie, G. Tosato, S. E. Straus, and R. M. Blaese

C. J. Hackett, J. L. Hurwitz, B. Dietzchold, and W. Gerhard

A. Yachie, G. Tosato, S. E. Straus, and R. M. Blaese

R. Hussain and E. A. Ottesen

J. B. Weiss and M. Strand

MOLECULAR GENETICS • MOLECULAR BIOLOGY

M. J. Palmer, D. A. Buck, J. A. Frelinger, and P. J. Wettstein

A. Ben-Nun, E. Choi, K. R. McIntyre, S. A. Leeman, D. J. McKean, J. G. Seidman, and L. H. Glimcher

D. Yuan, E. A. Weiss, J. E. Layton, P. H. Krammer, and E. S. Vitetta

G. Lavie, Z. Leib, and C. Servadio


J. C. Hiserodt, K. A. Laybourn, and J. Varani


1385 The T Cell Response to the Glycoprotein D of the Herpes Simplex Virus: The Significance of Antigen Conformation

1391 A Synthetic Decapeptide of Influenza Virus Hemagglutinin Elicits Helper T Cells with the Same Fine Recognition Specificities as Occur in Response to Whole Virus

1395 Immunostimulation by Cytomegalovirus (CMV): Helper T Cell-Dependent Activation of Immunoglobulin Production In Vitro by Lymphocytes from CMV-Immune Donors

1401 Abrogation of Anti-Pichinde Virus Cytotoxic T Cell Memory by Cyclophosphamide and Restoration by Co-infection or Interleukin 2

1405 The Helper and Suppressor Functions of Primate T Cells Elicited by a 185K Streptococcal Antigen, as Compared with the Helper Function Elicited by a 4K Streptococcal Antigen

1408 Theiler's Murine Encephalomyelitis Virus (TMEV)-Induced Demyelinating Disease in Mice Is Influenced by the H-2D Region: Correlation with TMEV-Specific Delayed-Type Hypersensitivity

1415 IgE Responses in Human Filariasis. III. Specificities of IgE and IgG Antibodies Compared by Immunoblot Analysis

1421 Characterization of Developmentally Regulated Epitopes of Schistosoma mansoni Egg Glycoprotein Antigens

1430 Heat-Modifiable Outer Membrane Protein Carries an Antigen Specific for the Species Yersinia enterocolitica and Yersinia Pseudotuberculosis

1437 The Helper and Suppressor Functions of Primate T Cells Elicited by a 185K Streptococcal Antigen, as Compared with the Helper Function Elicited by a 4K Streptococcal Antigen

1443 Defective Cell-Mediated Immunity in Leprosy: Failure of T Cells from Lepromatous Leprosy Patients to Respond to Mycobacterium leprae Is Associated with Defective Expression of Interleukin 2 Receptors and is not Reconstituted by Interleukin 2

1450 Polymorphic Class II Sequences Linked to the Rat Major Histocompatibility Complex (RT1) Homologous to Human DR and DQ Sequences

1456 DNA-Mediated Transfer of Major Histocompatibility Class II I-Ab and I-Abm12 Genes into B Lymphoma Cells: Molecular and Functional Analysis of Introduced Antigens

1465 Activation of the γ1 Gene by Lipopolysaccharide and T Cell-Derived Lymphokines Containing a B Cell Differentiation Factor for IgG1 (BCDFγ)

TUMOR IMMUNOLOGY

G. Lavie, Z. Leib, and C. Servadio


J. C. Hiserodt, K. A. Laybourn, and J. Varani


1470 The Mechanism of Human NK Cell-Mediated Cytotoxicity: Mode of Action of Surface-Associated Proteases in the Early Stages of the Lytic Reaction

1477 Augmentation of NK Cell Activity in Tissue-Specific Sites by Liposomes Incorporating MTP-PE

1484 Expression of a Laminin-Like Substance on the Surface of Murine Natural Killer (NK) Lymphocytes and Its Role in NK Recognition of Tumor Target Cells

1488 Systemic Administration of Recombinant Interleukin 2 Stimulates In Vivo Lymphoid Cell Proliferation in Tissues

Continued on page 8
Continued from page 7

R. Evans and T. M. Duffy 1498 Amplification of Immune T Lymphocyte Function In Situ: The Identification of Active Components of the Immunologic Network during Tumor Rejection

P. O. Livingston, M. Jones, A. B. DeLeo, H. F. Oettgen, and L. J. Old 1505 The Serologic Response to Meth A Sarcoma Vaccines after Cyclophosphamide Treatment Is Additionally Increased by Various Adjuvants

M. Nagarkatti and A. M. Kaplan 1510 The Role of Suppressor T Cells in BCNU-Mediated Rejection of a Syngenic Tumor

E. J. Siden, A. Gifford, and D. Baltimore 1518 Cyclic AMP Induces Terminal Deoxynucleotidyl Transferase in Immature B Cell Leukemia Lines

M. Takaishi and S. M. Fu 1523 Monoclonal Antibodies against Human Myelomonocytic Cells: Detection of Certain Lineage-Specific Antigens on CFU-GM Progenitor Cells

D. L. Shawler, R. M. Bartholomew, L. M. Smith, and R. O. Dillman 1530 Human Immune Response to Multiple Injections of Murine Monoclonal IgG

ERRATA

M. Roebber, D. G. Klapper, L. Goodfriend, W. B. Bias, S. H. Hsu, and D. G. Marsh 1536 Immunochemical and Genetic Studies of Amb. t. V (Ra5G), an Ra5 Homologue from Giant Ragweed Pollen

R. A. Barry, M. P. McKinley, P. E. Bendheim, G. K. Lewis, S. J. DeArmond, and S. B. Prusiner 1536 Antibodies to the Scrapie Protein Decorate Prion Rods

Letter to the Editor 1537
Announcements 1538
Author Index 1540