This information is current as of April 17, 2017.

136 (5)

*J Immunol* 1986; 136:1535-1922;

[http://www.jimmunol.org/content/136/5.citation](http://www.jimmunol.org/content/136/5.citation)

---

**Subscription**  
Information about subscribing to *The Journal of Immunology* is online at:  
[http://jimmunol.org/subscription](http://jimmunol.org/subscription)

**Permissions**  
Submit copyright permission requests at:  
[http://www.aai.org/About/Publications/JI/copyright.html](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](http://jimmunol.org/alerts)
Contents

COMMUNICATIONS

G. J. Prud'homme, A. Fuks, R. D. Guttmann, and E. Colle 1535 T Cell Hybrids with Specificity for Islet Cell Antigens

CELLULAR IMMUNOLOGY

C. Clayberger, B. Dyer, B. McIntyre, T. D. Koller, B. Hardy, P. Farham, L. L. Lanier, and A. M. Krensky 1537 Function and Cell Distribution of KC-1, a Novel Natural Killer Cell-Associated Antigen

W. J. Storkus and J. R. Dawson 1542 B Cell Sensitivity to Natural Killing: Correlation with Target Cell Stage of Differentiation and State of Activation


W. Ptak, M. Bereta, M. Ptak, and P. W. Askenase 1554 Isotype-Like Suppression of T Cell-Mediated Immunity In Vivo. I. Delayed-Type Hypersensitivity Specificity of T Cell Suppression Induced by Antigen-binding T Cell Factors that Initiate Contact Sensitivity

W. Ptak, M. Bereta, M. Ptak, and P. W. Askenase 1564 Isotype-Like Suppression of T Cell-Mediated Immunity In Vivo. II. Suppression of the Early Component of Contact Sensitivity by a Ly-2+ T Cell-Derived Suppressor Factor that Binds to Contact Sensitivity-Initiating, Antigen-Specific, Ly-1+ T Cell-Derived Factors that Are of Different Antigen Specificities

S. D. Miller and M. K. Jenkins 1571 Suppressor T Cell Circuits in Contact Sensitivity. III. A Monoclonal T Cell Hybrid-Derived Suppressor Factor Specifically Suppresses Local DTH Transfer by a DNP-Specific T Cell Clone

J. H. Phillips and L. L. Lanier 1579 Lectin-Dependent and Anti-CD3 Induced Cytotoxicity Are Preferentially Mediated by Peripheral Blood Cytotoxic T Lymphocytes Expressing Leu-7 Antigen

J. Sutcliffe, G. A. Schwarting, and R. D. Stout 1586 Flow Cytometric Analysis Reveals the Presence of Asialo Gm1 on the Surface Membrane of Alloimmune Cytotoxic T Lymphocytes

C. R. Mackay, J. F. Maddox, and M. R. Brandon 1592 Thymocyte Subpopulations during Early Fetal Development in Sheep

G. J. Dennis and J. J. Mond 1600 Corticosteroid-Induced Suppression of Murine B Cell Immune Response Antigens


M. Daeron and K. Ishizaka 1612 Induction of Fc, Receptors on Mouse Macrophages and Lymphocytes by Homologous IgE

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

D. S. Taylor, J. A. Kern, and P. C. Nowell 1620 IL 2 alone Is Mitogenic only for Tac-Positive Lymphocytes in Human Peripheral Blood

B. Fleischer, H. Schrezenmeier, and H. Wagner 1625 Function of the CD4 and CD8 Molecules on Human Cytotoxic T Lymphocytes: Regulation of T Cell Triggering

F. Herrmann, J. D. Griffin, S. G. Meuer, and K.-H. M. Zum Buschenfelde 1629 Establishment of an Interleukin 2-Dependent T Cell Line Derived from a Patient with Severe Aplastic Anemia, which Inhibits In Vitro Hematopoiesis

Continued on page 4

R. J. Looney, G. N. Abraham, and C. L. Anderson


K. Yoshioka, Y. Morimoto, T. Iseki, and S. Maki


D. A. Clark, A. Chaput, D. Tutton

D. O. Willenborg, P. Sjollema, and G. Danta

1635 Decreased Natural Killer Activity in Thalassemia major: A Possible Consequence of Iron Overload

Human Monocytes and U937 Cells Bear Two Distinct Sc Receptors for IgG

Identification of Ki (Ku, p70/p80) Autoantigens and Analysis of Anti-Ki Autoantibody Reactivity

Characterization of Tubular Basement Membrane Antigens in Human Kidney

Abnormalities of the In Vitro Cellular and Humoral Responses to Tetanus and Influenza Antigens with Concomitant Numerical Alterations in Lymphocyte Subsets in Down Syndrome (Trisomy 21)

Active Suppression of Host-vs-Graft Reaction in Pregnant Mice. VII. Spontaneous Abortion of Allogeneic CBA/J × DBA/2 Fetuses in the Uterus of CBA/J Mice Correlates with Deficient Non-T Suppressor Cell Activity

Immunoregulation of Passively Induced Allergic Encephalomyelitis

Two Distinct Monokines, Interleukin 1 and Tumor Necrosis Factor, Each Independently Induce Biosynthesis and Transient Expression of the Same Antigen on the Surface of Cultured Human Vascular Endothelial Cells

In Vitro Production of Interleukin 1 by Normal and Malignant Human B Lymphocytes

Regulation of Interleukin 2 Receptor Expression on a Human Cytotoxic T Lymphocyte Clone: Synergism between Alloantigenic Stimulation and Interleukin 2

Interferon-β and Recombinant IL 2 Can both Enhance, but by Different Pathways, the Nonspecific Cytolytic Potential of T3− Natural Killer Cell-Derived Clones rather than that of T3+ Clones

Natural Antibodies to Interferon-α and Interferon-β Are a Common Feature of Inbred Mouse Strains

Isolation and Partial Characterization of an Eosinophil Chemotactic Factor from Metacestodes of Taenia taeniaeformis (ECF-Tt)

Independent Regulation of Granulocyte-Macrophage Colony-Stimulating Factor and Multi-Lineage Colony-Stimulating Factor Production in T Lymphocyte Clones

Production of T Cell Differentiation Factor in Syngeneic Lymphocyte Macrophage Culture for Cytotoxic T Lymphocyte Generation

Anti-Ly-1 Antibody Induces Interleukin 2 Release from T Cells

Recognition of HLA Class I Molecules by Antisera Directed to Synthetic Peptides Corresponding to Different Regions of the HLA-B7 Heavy Chain

Biochemical Analysis Suggests Distinct Functional Roles for the Blast-1 and Blast-2 Antigens

Heterogeneity of the First Cluster of Differentiation: Characterization and Epitopic Mapping of Three CD1 Molecules on Normal Human Thymus Cells

Phorbol Esters Cause Sequential Activation and Deactivation of Complement Receptors on Polymorphonuclear Leukocytes

Continued on page 5
Continued from page 4


S. Schonermark, E. W. Rautenberg, M. L. Shin, S. Loke, D. Koelcke, and G. M. Hansch 1772 Homologous Species Restriction in Lysis of Human Erythrocytes: A Membrane-Derived Protein with C8-Binding Capacity Functions as an Inhibitor

M. L. Shin, G. Hansch, V. W. Hu, and A. Nicholson-Weller 1777 Membrane Factors Responsible for Homologous Species Restriction of Complement-Mediated Lysis: Evidence for a Factor other than DAF Operating at the Stage of C8 and C9

---

**IMMUNOPHARMACOLOGY**

R. A. Bray and Z. Brahmi 1783 Role of Lipoxigenation in Human Natural Killer Cell Activation

M. R. Miller, C. Heyneman, S. Walker, and R. G. Ulrich 1791 Interaction of Monoclonal Antibodies Directed against Bromodeoxyuridine with Pyrimidine Bases, Nucleosides, and DNA

R. Roubin, A. Dulioust, I. Haye-Legrand, E. Ninio, and J. Benveniste 1796 Biosynthesis of paf-Acether. VIII. Impairment of paf-Acether Production in Activated Macrophages Does Not Depend upon Acetyltransferase Activity

H. D. Perez, F. Elfman, L. Sklar, D. Chenoweth, and C. Hooper 1803 A Derivative of Wheat Germ Agglutinin Specifically Inhibits Formyl-Peptide-Induced Polymorphonuclear Leukocyte Chemotaxis by Blocking Re-Expression (or Recycling) of Receptors


---

**MICROBIAL IMMUNOLOGY**

C. K. Edwards III, H. B. Hedegaard, A. Zlotnik, P. R. Gandhamaram, R. B. Johnston, Jr., and M. J. Pabst 1820 Chronic Infection Due to Mycobacterium intercellulare in Mice: Association with Macrophage Release of Prostaglandin E₂ and Reversal by Injection of Indomethacin, Muramyl Dipeptide, or Interferon-γ

T. Pedrazzini and J. A. Louis 1828 Function Analysis In Vitro and In Vivo of Mycobacterium bovis Strain BCG-Specific T Cell Clones

M. D. Winther, G. Allen, R. H. Bomford, and F. Brown 1835 Bacterially Expressed Antigenic Peptide from Foot-and-Mouth Disease Virus Capsid Elicits Variable Immunologic Responses in Animals

D. E. Griffin and J. L. Hess 1841 Cells with Natural Killer Activity in the Cerebrospinal Fluid of Normal Mice and Athymic Nude Mice with Acute Sindbis Virus Encephalitis

L. J. Wolfgram, K. W. Beisel, A. Herskowitz, and N. R. Rose 1846 Variations in the Susceptibility to Coxsackievirus B₃-Induced Myocarditis among Different Strains of Mice

K. M. Williams, J. B. Sacci, and R. L. Anthony 1853 Identification and Recovery of Leishmania Antigen Displayed on the Surface Membrane of Mouse Peritoneal Macrophages Infected In Vitro

R. Hussain and E. A. Ottesen 1859 IgE Responses in Human Filariasis. IV. Parallel Antigen Recognition by IgE and IgG4 Subclass Antibodies

---

**MOLECULAR BIOLOGY • MOLECULAR GENETICS**

E. A. Dzierzak, C. A. Janeway, Jr., N. Richard, and A. Bothwell 1864 Molecular Characterization of Antibodies Bearing Id-460. I. The Structure of Two Highly Homologous \( \nu_\mathrm{H} \) Genes Used to Produce Idiotype Positive Immunoglobulins

N. Sittisombut and K. L. Knight 1871 Rabbit Major Histocompatibility Complex. I. Isolation and Characterization of Three Subregions of Class II Genes

N. Uchida, R. D. Cone, G. J. Freeman, R. C. Mulligan, and H. Cantor 1876 High Efficiency Gene Transfer into Murine T Cell Clones using a Retroviral Vector

Continued on page 6
Synergy between Immunotoxins Prepared with Native Ricin A Chains and Chemically Modified Ricin B Chains

Regulation of Cellular Immune Response against Autologous Human Melanoma. I. Evidence for Cell-Mediated Suppression of In Vitro Cytotoxic Immune Response

Regulation of Cellular Immune Response against Autologous Human Melanoma. II. Mechanism of Induction and Specificity of Suppression

Functional Properties of Tumor-Infiltrating and Blood Lymphocytes in Patients with Solid Tumors: Effects of Tumor Cells and Their Supernatants on Proliferative Responses of Lymphocytes

Characterization of a Cloned Ultraviolet Radiation (UV)-Induced Suppressor T Cell Line that Is Capable of Inhibiting Anti-UV Tumor-Immune Responses

Therapy of Murine Leukemia with Cyclophosphamide and Immune Lyt-2+ Cells: Cytolytic T Cells Can Mediate Eradication of Disseminated Leukemia