This information is current as of April 4, 2017.

133 (6)

J Immunol 1984; 133:i-3436; ;
http://www.jimmunol.org/content/133/6.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
CONTENTS

PRESIDENTIAL ADDRESS

J. W. Uhr

Immunotoxins: Harnessing Nature's Poisons

COMMUNICATIONS

S. Kanamori, W. D. Walsh, T. H. Hansen, and H. Y. Tse

Assessment of Antigen-Specific Restriction Sites on Ia Molecules as Defined by the bm12 Mutation

B. S. Prabhakar, J. Saegusa, T. Onodera, and A. L. Notkins

Lymphocytes Capable of Making Monoclonal Autoantibodies that React with Multiple Organs Are a Common Feature of the Normal B Cell Repertoire

S. D. Sharma, F. G. Araujo, and J. S. Remington

Toxoplasma Antigen Isolated by Affinity Chromatography with Monoclonal Antibody Protects Mice against Lethal Infection with Toxoplasma gondii

CELLULAR IMMUNOLOGY

J. F. Marcelletti and D. H. Katz

FcR* Lymphocytes and Regulation of the IgE Antibody System. I. A New Class of Molecules, termed IgE-Induced Regulants (EIR), which Modulate FcR Expression by Lymphocytes

J. F. Marcelletti and D. H. Katz

FcR* Lymphocytes and Regulation of the IgE Antibody System. II. FcR* B Lymphocytes Initiate a Cascade of Cellular and Molecular Interactions that Control FcR Expression and IgE Production

J. F. Marcelletti and D. H. Katz

FcR* Lymphocytes and Regulation of the IgE Antibody System. III. Suppressive Factor of Allergy (SFA) is Produced during the In Vitro FcR Expression Cascade and Displays Corollary Physiologic Activity In Vivo

J. F. Marcelletti and D. H. Katz

FcR* Lymphocytes and Regulation of the IgE Antibody System. IV. Delineation of Target Cells and Mechanisms of Action of SFA and EFA in Inhibiting In Vitro Induction of FcR Expression

K. Hanaumi, P. Gray, and T. Suzuki

Fc-γ Receptor-Mediated Suppression of γ-Interferon-Induced la Antigen Expression on a Murine Macrophage-Like Cell Line (P388D1)

K. Kane and W. R. Clark

The Role of Class I MHC Products in Polyclonal Activation of CTL Function

Y. Asano and R. J. Hodes

T Cell Regulation of B Cell Activation: An Antigen-Mediated Tripartite Interaction of Ts Cells, Th Cells, and B Cells is Required for Suppression

A. J. Feeney and D. E. Mosier

Helper T Lymphocytes from xid and Normal Mice Support Anti-Phosphocholine Antibody Responses with Equivalent T15, 511, and 603 Idiotype Composition

C. W. Pierce, J. A. Kapp, C. M. Sorensen, and J. A. Trail

T Cell Subsets in (Responder X Nonresponder) F1 Mice Regulating Antibody Responses to L-Glutamic Acid60-L-Alanine30-L-Tyrosine10 (GAT)

H. Yamamoto, S. Bitoh, and S. Fujimoto

Regulation of Immune Responses Via Genetically Restricted Cellular Interactions. I. Augmentation of Antibody Responses by Idiotype-Specific Enhancing B Lymphocytes

J. A. Kapp, P. E. Jensen, P. F. Robbins, and C. Fritschle

Insulin-Specific Tolerance Induction. II. Tolerant Helper T Cells Can Be Rescued by Insulin Complexed to Brucella abortus

C. O. Elson and W. Ealding

Cholera Toxin Feeding Did Not Induce Oral Tolerance in Mice and Abrogated Oral Tolerance to an Unrelated Protein Antigen

L. K. J. Sikora and J. G. Levy

Immune Response to Ferredoxin: Nonresponder Status Is Not Due to Suppression

Continued on page 4
Continued from page 3

D. L. Birx, M. Berger, and T. A. Fleisher 2904 The Interference of T Cell Activation by Calcium Channel Blocking Agents
M. G. Goodman and W. O. Weigle 2910 Mechanism of 8-Mercaptoguanosine-Mediated Adjuvancy: Roles of Clonal Expansion and Cellular Recruitment
G. Corradin, M. A. Juillerat, and H. D. Engers 2915 Differential Effects of Two Anti-Apo-Cytochrome c-Specific Monoclonal Antibodies on the Function of Apo-Cytochrome c-Specific Murine T Cell Clones
R. C. Sizemore, N. W. Miller, M. A. Cuchens, C. J. Lobb, and L. W. Clem 2920 Phylogeny of Lymphocyte Heterogeneity: The Cellular Requirements for In Vitro Mitogenic Responses of Channel Catfish Leukocytes
R. A. Miller and O. Stutman 2925 T Cell Repopulation from Functionally Restricted Splenic Progenitors: 10,000-Fold Expansion Documented by Using Limiting Dilution Analyses
L. A. Holmberg, B. A. Miller, and K. A. Ault 2933 The Effect of Natural Killer Cells on the Development of Syngecnic Hematopoietic Progenitors
H. S. Boswell, P. M. Wade, Jr., and P. J. Quesenberry 2940 Thy-1 Antigen Expression by Murine High-Proliferation Capacity Hematopoietic Progenitor Cells. I. Relation between Sensitivity to Depletion by Thy-1 Antibody and Stem Cell Generation Potential
A. Juretic, I. Vucak, B. Malenica, Z. A. Nagy, and J. Klein 2950 H-41, a New Minor Histocompatibility Locus. I. Histogenetic Analysis
T. B. Issekutz 2955 The Response of Gut-Associated T Lymphocytes to Intestinal Viral Immunization

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

B. Golding, A. V. Muchmore, and R. M. Blaese 2966 Newborn and Wiskott-Aldrich Patient B Cells Can Be Activated by TNP-Brucella abortus: Evidence that TNP-Brucella abortus Behaves as a T-Independent Type 1 Antigen in Humans
S. Kohl, T. A. Springer, F. C. Schmalstieg, L. S. Loo, and D. C. Anderson 2972 Defective Natural Killer Cytotoxicity and Polymorphonuclear Leukocyte Antibody-Dependent Cellular Cytotoxicity in Patients with LFA-1/OKM-1 Deficiency
E. A. Rinnooy Kan, E. Platzer, K. Welte, and C. Y. Wang 2979 Modulation Induction of the T3 Antigen by OKT3 Antibody Is Monocyte Dependent
J. M. Williams, B. J. Ransil, H. M. Shapiro, and T. B. Strom 2986 Accessory Cell Requirement for Activation Antigen Expression and Cell Cycle Progression by Human T Lymphocytes
T. Miyawaki, S. Ohzeki, N. Ikuta, H. Seki, K. Taga, and N. Taziguchi 2996 Immunohistologic Localization and Immune Phenotypes of Lymphocytes Expressing Tac Antigen in Human Lymphoid Tissues
D. Kozbor, P. Tripputi, J. C. Roder, and C. M. Croce 3001 A Human Hybrid Myeloma for Production of Human Monoclonal Antibodies
D. J. Volkman, E. S. Buescher, J. I. Gallin, and A. S. Fauci 3006 B Cell Lines as Models for Inherited Phagocytic Diseases: Abnormal Superoxide Generation in Chronic Granulomatous Disease and Giant Granules in Chediak-Higashi Syndrome
S. Izui and K. Masuda 3010 Resistance to Tolerance Induction Is Not Prerequisite to Development of Murine SLE
B. H. Hahn and F. M. Ebling 3015 A Public Idiotype Determinant Is Present on Spontaneous Cationic IgG Antibodies to DNA from Mice of Unrelated Lupus-Prone Strains
V. Manohar, E. M. Brown, W. M. Leiserson, L. J. Edison, and T. M. Chused 3020 Ly-2+ T Cell Enlargement and Null Cell Proliferation Occur at the Onset of Splenomegaly and Autoantibody Production in New Zealand Black Mice
C. L. Geczy, I. M. Roberts, P. Meyer, and C. C. A. Bernard 3026 Susceptibility and Resistance to Experimental Autoimmune Encephalomyelitis and Neuritis in the Guinea Pig Correlate with the Induction of Procoagulant and Anticoagulant Activities
S. L. Hauser, A. K. Bhan, M. Che, F. Gilles, and H. L. Weiner 3037 Redistribution of Lyt-Bearing T Cells in Acute Murine Experimental Allergic Encephalomyelitis: Selective Migration of Lyt-1 Cells to the Central Nervous System Is Associated with a Transient Depletion of Lyt-1 Cells in Peripheral Blood
M. M. Griffiths and C. W. DeWitt 3043 Modulation of Collagen-Induced Arthritis in Rats by Non-RT1-Linked Genes
T. S. Kupper and D. R. Green 3047 Immunoregulation after Thermal Injury: Sequential Appearance of I-J+, Ly-1 T suppressor Inducer Cells and Ly-2 T Suppressor Effector Cells Following Thermal Trauma in Mice

Continued on page 5
Continued from page 4

CYTOKINES • MEDIATORS • REGULATORY MOLECULES


T. Teranishi, T. Hirano, B.-H. Lin, and K. Onoue 3062 Demonstration of the Involvement of Interleukin 2 in the Differentiation of Staphylococcus aureus Cowan I-Stimulated B Cells

D. R. Salomon, D. J. Cohen, J. M. Williams, and C. B. Carpenter 3068 The Role of Cytoplasmic Intermediates in IL 2-Induced T Cell Growth


C. B. Colby, M. Inoue, M. Thompson, and Y. H. Tan 3084 A Mitogenic Factor, Released by Stimulated Human Mononuclear Cells and Distinct from Interleukin 2 (IL 2), B Cell Growth Factor (BCGF), and Interleukin 1 (IL 1)

C. B. Colby, M. Inoue, M. Thompson, and Y. H. Tan 3091 ImmunoLogic Differentiation Between E. coli and CHO Cell-Derived Recombinant and Natural Human β-Interferons

M. Shearer, J. Taylor-Papadimitriou, D. Griffin, and F. Balkwill 3096 Monoclonal Antibodies that Distinguish between Subspecies of Human Interferon-α and that Detect Interferon Oligomers

F. Cofano, P. M. Comoglio, S. Landolfo, and G. Tarone 3102 Mouse Immune Interferon Enhances Fibronectin Production of Elicited Macrophages

Y. Kaufmann, A. E. Chang, R. J. Robb, and S. A. Rosenberg 3107 Mechanism of Action of Cyclosporin A: Inhibition of Lymphokine Secretion Studied with Antigen-Stimulated T Cell Hybridomas

S. D. Miller 3112 Suppressor T Cell Circuits in Contact Sensitivity. II. Induction and Characterization of an Efferent-Acting, Antigen-Specific, H-2-Restricted, Monoclonal T Cell Hybrid-Derived Suppressor Factor Specific for DNFB Contact Hypersensitivity

D. L. Coleman, K. E. Culver, and J. L. Ryan 3121 Enhancement of Macrophage Immune and Nonimmune Receptor-Mediated Phagocytosis by a Low Molecular Weight Soluble Factor from Resident Thymocytes

M. L. Weitzen and B. Bonavida 3128 Mechanism of Inhibition of Human Natural Killer Activity by Ultraviolet Radiation

K. H. Brooks, J. W. Uhr, and E. S. Vitetta 3133 A B Cell Growth Factor-Like Activity Is Secreted by Cloned, Neoplastic B Cells

IMMUNOCHEMISTRY

E. P. Lillehoj, W. D. Walsh, T. Potter, D. R. Lee, J. E. Colligan, and T. H. Hansen 3138 Chemical and Serological Definition of Two Unique D Region Encoded Molecules in the Wild-Derived Mouse Strain B10.GAA37

T. Katagiri, T. Mori, T. Nakano, K. Ueno, and K. Kano 3143 Aberrant Expression of Forssman and Paul-Bunnell Antigens on Lymph Node Cells of MRL/MP-1pr/1pr Mice

W. L. Bigbee, R. G. Langlois, M. Vanderlaan, and R. H. Jensen 3149 Binding Specificities of Eight Monoclonal Antibodies to Human Glycophorin A Studies with McM and MkEn(UK) Variant Human Erythrocytes and M- and MNV-Type Chimpanzee Erythrocytes

Z. Moldoveanu, M. L. Egan, and J. Mestecky 3156 Cellular Origins of Human Polymeric IgA: Intracellular and Secreted Forms of IgA

W. W. Young, Jr., Y. Tamura, D. M. Wolock, and J. W. Fox 3163 Staphylococcal Protein A Binding to the Fab Fragments of Mouse Monoclonal Antibodies

R. L. Hunter and B. Bennett 3167 The Adjuvant Activity of Nonionic Block Polymer Surfactants. II. Antibody Formation and Inflammation Related to the Structure of Triblock and Ocatblock Copolymers


Continued on page 6
Continued from page 5

C. Bernabeu, R. Maziarz, H. Spits, J. de Vries, S. J. Bur-  
akoff, and C. Terhorst
K. Horibe, N. Flomenberg, M. S. Pollack, T. E. Adams, B.  
Dupont, and R. W. Knowles
K. Kubota
R. Mukai, M. Suzuki, T. Yabe, H. Hamaguchi, and H. Maeda
I. R. van Driel, P. A. Stearne, B. Grego, R. J. Simpson, and J.  
W. Goding
R. Nairn, M. L. Spengler, M. D. Hoffman, M. J. Solvay, and  
D. W. Thomas
C.-W. Vogel, C. A. Smith, and H. J. Muller-Eberhard
M. Nonaka, T. Fujii, T. Kaidoh, S. Natsuume-Sakai, M. Non-  
vaka, N. Yamaguchi, and M. Takahashi
M.-H. Jouvin, M. D. Kazatchkine, A. Cahour, and N. Bern-  
nard

3188 Coexpression of the Human HLA-A2 or HLA-B7 Heavy Chain Gene and  
Human β2-Microglobulin Gene in L Cells

3195 Biochemical and Functional Evidence that an MT3 Supertypic Determinant  
Defined by a Monoclonal Antibody is Carried on the DR Molecule on HLA-  
DR7 Cell Lines

3203 Association of Serum β-2-Microglobulin with H-2 Class I Heavy Chains on  
the Surface of Mouse Cells in Culture

3211 Identification of the MT3 Molecule from HLA-DR4, 7, and w9 Homozygous  
Cell Lines

3220 The Receptor for Transferrin on Murine Myeloma Cells: One-Step Purifi-  
cation Based on Its Physiology, and Partial Amino Acid Sequence

3225 Macrophage Processing of Peptide Antigens: Identification of an Antigenic  
Complex

3235 Cobra Venom Factor: Structural Homology with the Third Component of  
Human Complement

3242 Purification of a Lamprey Complement Protein Homologous to the Third  
Component of the Mammalian Complement System

3250 Lysine Residues, but not Carbohydrates, Are Required for the Regulatory  
Function of H on the Amplification C3 Convertase of Complement

IMMUNOPHARMACOLOGY

E. J. Goetzl and D. G. Payan 3255 Inhibition of Somatostatin of the Release of Mediators from Human Baso-  
philis and Rat Leukemic Basophils

D. G. Payan, D. R. Brewster, 3260 Stereospecific Receptors for Substance P on Cultured Human IM-9 Lympho-  
and E. J. Goetzl

P. Jardieu, T. Uede, and K. Ishizaka 3266 IgE-Binding Factors from Mouse T Lymphocytes. III. Role of Antigen-Specific  
Suppressor T Cells in the Formation of IgE-Suppressive Factor

P. Manouvriez and H. Bazin 3274 In Vivo Kinetics and Nature of Rat IgE-Bearing Lymphocytes after IgE  
Stimulation

E. Razin and G. Marx 3282 Thrombin-Induced Degranulation of Cultured Bone Marrow-Derived Mast  
Cells

K. Akiyama, J. J. Pruzansky, 3286 Hapten-Modified Basophils: A Model of Human Immediate Hypersensitivity  
and R. Patterson  
A. Eli-Hag and R. A. Clark

G. M. Kammer and S. A. Rudolph 3298 Regulation of Human T Lymphocyte Surface Antigen Mobility by Purinergic  
Receptors

P. Szejda, J. W. Parce, M. S. 3303 Flow Cytometric Quantitation of Oxidative Product Formation by Polymor-  
Seeds, and D. A. Bass
phonuclear Leukocytes during Phagocytosis

MICROBIAL IMMUNOLOGY

L. S. McDaniel, W. H. Benjamin, Jr., C. Forman, and D. 3308 Blood Clearance by Anti-Phosphocholine Antibodies as a Mechanism of  
E. Briles

A. D. O'Brien, B. A. Taylor, and 3313 Genetic Control of Natural Resistance to Salmonella typhimurium in Mice  
D. L. Rosenstreich

S. J. Brown, S. Z. Shapiro, and 3319 Characterization of Tick Antigens Inducing Host Immune Resistance. Im-  
P. W. Askenase

M. F. M. Horta and F. J. Ramalho-Pinto 3326 Subclasses of Rat IgG active in the Killing of Schistosomula of Schistosoma  
mansoni In Vitro and In Vivo

Continued on page 7
S. G. Reed, J. A. Inverso, and S. B. Roters
F. Villalta and F. Kierszenbaum
C. A. Nacy, M. S. Meitzer, and A. H. Fortier
J. P. Sypek, C. B. Panosian, and D. J. Wyler
G. B. Panosian, J. P. Sypek, and D. J. Wyler
D. Moskophidis and F. Lehmann-Grube
J. L. Hurwitz, E. Weber-Katz, C. J. Hackett, and W. Gerhard

Suppressed Antibody Responses to Sheep Erythrocytes in Mice with Chronic Trypanosoma cruzi Are Restored with Interleukin 2
Role of Inflammatory Cells in Chagas' Disease. II. Interactions of Mouse Macrophages and Human Monocytes with Intracellular Forms of Trypanosoma cruzi: Uptake and Mechanism of Destruction
Macrophage Activation to Kill Leishmania tropica: Characterization of P/J Mouse Macrophage Defects for Lymphokine-Induced Antimicrobial Activities against Leishmania tropica Amastigotes
Cell Contact-Mediated Macrophage Activation for Antileishmanial Defense. II. Identification of Effector Cell Phenotype and Genetic Restriction
The Immune Response of the Mouse to Lymphocytic Choriomeningitis Virus. IV. Enumeration of Antibody-Producing Cells in Spleens during Acute and Persistent Infection
Characterization of the Murine TH Response to Influenza Virus Hemagglutinin: Evidence for Three Major Specificities

MOLECULAR BIOLOGY • MOLECULAR GENETICS

S.-T. Ju, U. Siebenlist, and K. Kelly
K. M. Coggeshall and J. C. Cambier

Effects of V-λ Gene Diversity on Generation of Antigen-Specific Lymphocytes
B Cell Activation. VIII. Membrane Immunoglobulins Transduce Signals via Activation of Phosphatidylinositol Hydrolysis

TUMOR IMMUNOLOGY

G.-X. Qian, S. M. Fu, D. L. Solanki, and K. R. Rai
P. D. Greenberg and M. A. Cheever
R. A. Miller and J. Gralow
S. C. Wright and B. Bonavida
R. N. Hiramoto, P. J. Cox, N. S. Hiramoto, and V. K. Ghanta
E. Leopardi, D. S. Friend, and W. Rosenau

In Vitro Studies on the Cell-Mediated Immune Response to Human Brain Tumors. II. Leukocyte-Induced Coats of Glycosaminoglycan Increase the Resistance of Glioma Cells to Cellular Immune Attack
Circulating Monoclonal IgM Proteins in B Cell Chronic Lymphocytic Leukemia: Their Identification, Characterization and Relationship to Membrane IgM
Treatment of Disseminated Leukemia with Cyclophosphamide and Immune Cells: Tumor Immunity Reflects Long-Term Persistence of Tumor-Specific Donor T Cells
The Induction of Leu-1 Antigen Expression in Human Malignant and Normal B Cells by Phorbol Myristate Acetate (PMA)
Studies on the Mechanism of Natural Killer Cell-Mediated Cytotoxicity. V. Lack of NK Specificity at the Level of Induction of Natural Killer Cytotoxic Factors in Cultures of Human, Murine, or Rat Effector Cells Stimulated with Mycoplasma-Free Cell Lines
Inhibition of Growth of MOPC 104E Cells in Immunosuppressed Mice
Target Cell Lysis: Ultrastructural and Cytoskeletal Alterations

Announcements
Errata
Author Index
Ad Hoc Reviewers
Author Index to Volume 133
Subject Index to Volume 133