This information is current as of April 13, 2017.

128 (1)

*J Immunol* 1982; 128:1-517; ;
http://www.jimmunol.org/content/128/1.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

CELLULAR IMMUNOLOGY


A. A. Freitas, B. Rocha, L. Forni, and A. Coutinho 54 Population Dynamics of B Lymphocytes and Their Precursors: Demonstration of High Turnover in the Central and Peripheral Lymphoid Organs

H. Nariuchi and T. Kakuchi 161 Antibody Responses to Various T-Independent Antigens of B Cells with or without C3 Receptors and Adherent Cell Requirement for These Responses

S. Shimizu, R. T. Smith, M. A. Norcross, and V. C. Maino 296 Mechanisms Controlling TCGF Production by Cloned Sublines of EL-4 azg in Response to Stimulation by Anti-Thy-1 Antibody

C. L. Geczy and P. A. Meyer 331 Leukocyte Procoagulant Activity in Man: An in Vitro Correlate of Delayed-Type Hypersensitivity

R. Palacios 337 Concanavalin A Triggers T Lymphocytes by Directly Interacting with Their Receptors for Activation

S. N. Vogel, L. L. Weedon, R. N. Moore, and D. L. Rosenstreich 360 Correction of Defective Macrophage Differentiation in C3H/HeJ Mice by an Interferon-Like Molecule

M. G. Scher, E. R. Unanue, and D. I. Beller 501 Regulation of Macrophage Populations. III. The Immunologic Induction of Exudates Rich in la-Bearing Macrophages Is a Radiosensitive Process

E. C. Lattime, S. Gillis, G. Pecoraro, and O. Stutman 480 Ia-Dependent Interleukin 2 Production in Syngeneic Cellular Interactions

CLINICAL IMMUNOLOGY


G. Corte, M. C. Mingari, A. Moretta, G. Damiani, L. Moretta, and A. Bargellesi 16 Human T Cell Subpopulations Defined by a Monoclonal Antibody. I. A Small Subset Is Responsible for Proliferation to Allogeneic Cells or to Soluble Antigens and for Helper Activity for B Cell Differentiation


N. A. Brown and G. Miller 24 Immunoglobulin Expression by Human B Lymphocytes Clonally Transformed by Epstein Barr Virus

H. Spits, H. Ijssel, C. Terhorst, and J. E. de Vries 95 Establishment of Human T Lymphocyte Clones Highly Cytotoxic for an EBV-Transformed B Cell Line in Serum-Free Medium: Isolation of Clones That Differ in Phenotype and Specificity

M. F. Lipscomb, C. R. Lyons, R. M. O'Hara, Jr., and J. Stein-Streilein 111 The Antigen-Induced Selective Recruitment of Specific T Lymphocytes to the Lung

J. R. Neefe, J. E. Sullivan, and R. J. Hartzman 227 Clonal Analysis of Restriction Antigens for Human TNP-Specific Cytotoxic T Lymphocytes

J. R. Lamb, D. D. Eckels, P. Lake, A. H. Johnson, R. J. Hartzman, and J. N. Woody 223 Antigen-Specific Human T Lymphocyte Clones: Induction, Antigen Specificity, and MHC Restriction of Influenza Virus-Immune Clones

S. Kumagai, B. Sredni, S. House, A. D. Steinberg, and I. Green 258 Defective Regulation of B Lymphocyte Colony Formation in Patients with Systemic Lupus Erythematosus

R. I. Fox, S. Fong, N. Sabharwal, S. A. Carstens, P. C. Kung, and J. H. Vaughan 351 Synovial Fluid Lymphocytes Differ from Peripheral Blood Lymphocytes in Patients with Rheumatoid Arthritis

Continued on page 4
Continued from page 3

A. D. Hess, P. J. Tutschka, and G. W. Santos

Effect of Cyclosporin A on Human Lymphocyte Responses in Vitro. III. CsA Inhibits the Production of T Lymphocyte Growth Factors in Secondary Mixed Lymphocyte Responses but Does Not Inhibit the Response of Primed Lymphocytes to TCGF

A. D. Hess, P. J. Tutschka, Z. Pu, and G. W. Santos

Effect of Cyclosporin A on Human Lymphocyte Responses in Vitro. IV. Production of T Cell Stimulatory Growth Factors and Development of Responsiveness to These Growth Factors in CsA-Treated Primary MLR Cultures

R. H. Steven, E. Benveniste, and E. Pineda

The Selective Role of Membrane IgG in the Antigen-Induced Inhibition of Human in Vitro Antibody Synthesis

R. H. Weisbart, A. J. Lusis, G. Chan, R. Billing, R. F. Ashman, and D. W. Golde

Neutrophil Migration Inhibition Factor from T Lymphocytes (NIF-T): Selective Removal of Biologic Activity by Human Peripheral Blood Neutrophils, Myelocytic Leukemia Cells, and Differentiated HL-60 Cells


Heterogeneity of Human T4 Inducer T Cells Defined by a Monoclonal Antibody That Delineates Two Functional Subpopulations

M. G. Beale, G. S. Nash, M. J. Bertovich, and R. P. MacDermott

Similar Disturbances in B Cell Activity and Regulatory T Cell Function in Henoch-Schönlein Purpura and Systemic Lupus Erythematosus

H. H. Shen, O. Irigoyen, S. M. Friedman, and L. Chess

Characterization of the Alloactivated E+ Ia+ Cell Capable of Stimulating in Mixed Lymphocyte Culture

IMMUNOCHEMISTRY

L. J. Partridge, J. Lowe, D. L. Hardie, N. R. Ling, and R. Jefferies

1 Immunoegenic and Antigenic Epitopes of Immunoglobulins. II. Antigenic Differences between Secreted and Membrane IgG Demonstrated Using Monoclonal Antibodies

R. Smeenk, G. van der Lelij, and L. Aarden

73 Avidity of Antibodies to dsDNA: Comparison of IFT on Crithidia luciliae, Farr Assay, and PEG Assay

I. Clark-Lewis and J. W. Schrader

168 Biochemical Characterization of Regulatory Factors Derived from T Cell Hybridomas and Spleen Cells. I. Separation of T Cell Growth Factor and T Cell Replacing Factor from Granulocyte-Macrophage Colony-Stimulating Factor

I. Clark-Lewis and J. W. Schrader

175 Biochemical Characterization of Regulatory Factors Derived from T Cell Hybridomas and Spleen Cells. II. Evidence for Glycosylation of T Cell Growth Factor, T Cell Replacing Factor, and Granulocyte-Macrophage Colony-Stimulating Factor

V. F. H. Chu, W. L. Marsh, and I. Gigli

181 Chido and Rogers Antigenic Determinant on the Fourth Component of Human Complement

J. D. Lambris and G. D. Ross

186 Assay of Membrane Complement Receptors (CR1 and CR2) with C3b- and C3d-Coated Fluorescent Microspheres


206 Effect of Lipid A Incorporation on Characterization of Liposomal Model Membranes as Thymus-Independent Type 1 or Type 2 Immunogens

M. Letarte and J. Falk

217 Biochemical and Immunologic Heterogeneity of Ia Glycoproteins Isolated from a Chronic Lymphocytic Leukemia

J. Yodoi, M. Hirahama, and K. Ishizaka

289 Regulatory Role of IgE-Binding Factors from Rat T Lymphocytes. V. The Carbohydrate Moieties in IgE-Potentiating Factors and IgE-Suppressive Factors

N. Johnson, J. Slankard, L. Paul, and L. Hood

302 The Complete V Domain Amino Acid Sequences of Two Mye Ioma Inulin-Binding Proteins

S. J. Smith-Gill, A. C. Wilson, M. Potter, E. M. Prager, R. J. Feldmann, and C. R. Mainhrt

314 Mapping the Antigenic Epitope for a Monoclonal Antibody against Lysozyme

P. Hammer and L. A. Steiner

343 Specificity and Heterocliticity of Rabbit Antisera to the 2,4-Dinitrophenyl Determinant

J. E. McClure, N. Lameris, D. W. Wara, and A. L. Goldstein

368 Immunochemical Studies on Thymosin: Radiimmunoassy of Thymosin α1

A. van Aglehoven and C. Terhorst

426 Further Biochemical Characterization of the Human Thymocyte Differentiation Antigen T6


475 Direct Demonstration in Intestinal Secretions of an IgA Memory Response to Orally Administered Shigella flexneri Antigens

IMMUNOGENETICS AND TRANSPLANTATION

M. B. Goldman, C. Cohen, K. Stronaki, S. Bangalore, and J. N. Goldman

43 Genetic Control of C6 Polymorphism and C6 Deficiency in Rabbits

M. Reddeshase, W. Suecsmuth, C. Moyers, W. Falk, and W. Droeges

61 Interleukin 2 Is Not Sufficient As Helper Component for the Activation of Cytotoxic T Lymphocytes but Synergizes with a Late Helper Effect That Is Provided by Irradiated I-Region-Incompatible Stimulator Cells

T. R. Mosemann and B. M. Longenecker

100 The High Background Immune Reactivity of Mice to Polymorphic Determinants on Xenogeneic Erythrocytes: Theoretical and Practical Implications

Continued on page 5
F. M. Brodsky and P. Parham
M. J. Staruch and D. D. Wood
I. Lowy, R. Apt, and E. Mozes
M. Seto, T. Takahashi, M. Tanimoto, and Y. Nishizuka
M.-S. Tsui, R. Storb, P. Weiden, E. Santos, K. J. Kopecky, and E. D. Thomas
S. Pan, P. J. Wettstein, and B. B. Knowles
B. L. Hamilton and R. Parkman
J. D. Kem, J. S. Cowdery, A. D. Steinberg, and R. K. Gershon
H. W. Kunz, T. J. Gill III, and D. N. Misra
J. L. Press, J. Haber, and H. H. Wortis
A. Gilman-Sachs, K. H. Roux, W. J. Horng, and S. Dray
L. D’Hoostelaere and M. Potter
J. Sharon, L. D’Hoostelaere, M. Potter, E. A. Kabat, and S. L. Morrison
R. Germain, S. Mayer, and M. Mescher
G. Camussi, C. Tetta, M. Deregi-
bus, F. Bussolino, G. Segoloni, and A. Vercellone
J. Bray and D. B. Drachman
R. H. Keller, N. J. Calvanico, and J. O. Stevens
R. P. Schleimer, E. Gillespie, R. Daiuta, and L. M. Lichtenstein
G. Starkebaum, R. A. H. Jimenez, and W. P. Arend
R. B. Fritz and A. E. Dejardins
J. A. Wolos and J. B. Smith
J. W. Murphy and J. W. Moorhead
R. S. Beach, M. E. Gershwin, and L. S. Hurley
T. J. Neale and C. B. Wilson
C. W. Parker
F. Fish and M. Ziff
P. G. Ramsey, T. Martin, E. Chi, and S. J. Klebanoff
I. N. Montgomery and H. C. Rauch
D. R. Shaw and F. M. Griffin, Jr.

IMMUNOPATHOLOGY

G. Platelet-Activating Factor (PAF) in Experimentally-Induced Rabbit Acute Serum
Sickness: Role of Basophil-Derived PAF in Immune Complex Deposition
J. Bray and D. B. Drachman
86

105

116

123

136

141

247

269

276

308

323

393

409

415

421

433

Monomeric Anti-HLA-A,B,C Monoclonal Antibodies Detecting Molecular Subunits
and Combinatorial Determinants
Genetic Influences on the Adjuvanticity of Muramyl Dipeptide in Vivo
Analysis of the Fine Antigenic Specificity of the (T,G)-A-L Specific Helper T Cell
Continuous Line E-9M(+)
Production of Monoclonal Antibodies against MM Antigen: The Serologic Identifi-
cation of MM Antigen with Ly-6,2 Allantogen
Sequential Studies of Cell Inhibition of Host Fibroblasts in 51 Patients Given HLA-
Identical Marrow Grafts
H-2K* Mutations Limit the CTL Response to SV40 TASA
Kinetics of the Anti-recipient Cytotoxic Cell Response of Mice with Minor Histocom-
patibility Antigen Graft-vs-Host Disease
Genetic Control of Autoimmune Disease: Interactions between id and lpr
The Identification and Mapping of a Second Class I Locus in the Major Histocom-
patibility Complex of the Rat
The H-2 Haplotype of a Thymus Graft Influences the lpr Gene Regulated IgG3, IgG1,
IgG2b, and IgG2a Anti-(T,G)-A-L Antibody Responses of High-Responder F1,
Nude Mice
Characterization of Additional Rabbit IgM Allotypes and the Effect of Suppression
of a VH Locus Allotypes on the Expression of n Ca Locus Allotypes
Genetics of the a 1,6-Dextran Response: Expression of the QUPC52 Idiotype in
Different Inbred and Congenic Strains of Mice
A Cross-Reactive Idiotype, QUPC52 (x), Present on Most but Not All Anti-(1 → 6)
Dextran-Specific IgM and IgA Hybridoma Antibodies with Combining Sites of
Different Sizes
Role of I-Region Gene Products in T Cell Activation. I. Stimulation of T Lymphocyte
Proliferative Responses by Subcellular Membrane Preparations Containing la
Allantogens

Continued from page 4

Continued on page 6
Continued from page 5

**MICROBIAL IMMUNOLOGY**

B. L. Doughty and S. M. Phillips

B. L. Doughty and S. M. Phillips

B. L. Doughty and S. M. Phillips

M. Imai, M. Nomura, T. Gotanda, T. Sano, K. Tachibana, H. Miya- 
ome, K. Takahashi, S. Toyama, Y. Miyakawa, and M. Mayumi

L. M. Rose, M. Goldman, and P-H. Lambert

B. J. Shenker, W. P. McArthur, and C. C. Tsai

D. L. Emery, W. I. Morrison, G. Buscher, and R. T. Nelson

J. W. Barnwell, R. J. Howard, and L. H. Miller

D. A. Zarling, J. A. Miskimen, D. P. Fan, E. K. Fujimoto, and P. K. Smith

G. I. Byrne and C. L. Faubion

30 Delayed Hypersensitivity Granuloma Formation around Schistosoma mansoni Eggs in Vitro. I. Definition of the Model

37 Delayed Hypersensitivity Granuloma Formation and Modulation around Schistosoma mansoni Eggs in Vitro. II. Regulatory T Cell Subsets

69 Demonstration of Two Distinct Antigenic Determinants on Hepatitis B e Antigen By Monoclonal Antibodies

79 Simultaneous Induction of an Idiotype, Corresponding Anti-Idiotypic Antibodies, and Immune Complexes during African Trypanosomiases in Mice

148 Immune Suppression Induced by Actinobacillus actinomycetemcomitans. I. Effects on Human Peripheral Blood Lymphocyte Responses to Mitogens and Antigens

195 Generation of Cell-Mediated Cytotoxicity to Theileria Parva (East Coast Fever) after Inoculation of Cattle with Parasitized Lymphoblasts

224 Altered Expression of Plasmodium knowlesi Variant Antigen on the Erythrocyte Membrane in Splenectomized Rhesus Monkeys

251 Association of Sendai Virion Envelope and a Mouse Surface Membrane Polypeptide on Newly Infected Cells: Lack of Association with H-2K/D or Alteration of Viral Immunogenicity

469 Lymphokine-Mediated Microbistatic Mechanisms Restrict Chlamydia psittaci Growth in Macrophages

**TUMOR IMMUNOLOGY**

G. Steele, Jr., P. J. Harte, A. A. Rayner, J. M. Corson, J. Madara, A. E. Munroe, V. P. King, and R. E. Wilson

M-C. Dokhelar, U. Testa, W. Vainchenker, Y. Finale, C. Tetaud, P. Salem, and T. Tursz

D. R. Lannin, S. Yu, and C. F. McKhann

S. E. Loveless, S. R. Wellhausen, D. L. Boros, and G. H. Heppner

7 The Effect of Adjuvant Immunotherapy on Tumor Recurrence after Segmental Resection of Carcinogen-Induced Wistar/Furth Primary Bowel Adenocarcinomas

211 NK Cell Sensitivity of the Leukemic K 562 Cells; Effect of Sodium Butyrate and Hemin Induction

263 H-2 Restriction of the T Cell Response to Chemically Induced Tumors: Evidence from F₁ → Parent Chimeras

284 Tumoricidal Macrophages Isolated from Liver Granulomas of Schistosoma mansoni-Infected Mice

**COMMUNICATION**

J. D. Tamerius, M. K. Pangburn, and H. J. Müller-Eberhard

F. Kierszenbaum, S. J. Ackerman, and G. J. Gleich

512 Selective Inhibition of Functional Sites of Cell-Bound C3b by Hybridoma-Derived Antibodies

515 Inhibition of Antibody-Dependent Eosinophil-Mediated Cytotoxicity by Heparin

**LETTERS TO THE EDITOR**

E. L. Jeska and D. T. Bout


P. J. Baker

Announcements

Errata

Author Index