The Journal of Immunology

137 (1)

J Immunol 1986; 137:i-390; ;
http://www.jimmunol.org/content/137/1.citation

This information is current as of April 7, 2017.

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

B. R. Bloom

Learning from Leprosy: A Perspective on Immunology and the Third World

COMMUNICATION


Differential Effect of Cigarette Smoking on Recirculating T Lymphocyte Subsets in Pregnant Women

CELLULAR IMMUNOLOGY

G. J. Bancroft, M. J. Bosma, G. C. Bosma, and E. R. Unanue

Regulation of Macrophage Ia Expression in Mice with Severe Combined Immunodeficiency: Induction of Ia Expression by a T Cell-Independent Mechanism

E. A. Kurt-Jones, H. W. Virgin IV, and E. R. Unanue

In Vivo and In Vitro Expression of Macrophage Membrane Interleukin 1 in Response to Soluble and Particulate Stimuli

D. C. Anderson, L. J. Miller, F. C. Schmalstieg, R. Rothlein, and T. A. Springer

Contributions of the Mac-1 Glycoprotein Family to Adherence-Dependent Granulocyte Functions: Structure-Function Assessments Employing Subunit-Specific Monoclonal Antibodies

E. Bikoff and B. K. Birshtein

T Cell Clones Specific for IgG2a of the α Allotype: Direct Evidence for Presentation of Endogenous Antigen

B. Richardson, L. Kahn, E. J. Lovett, and J. Hudson

E. Roffman and M. Wilchek

Effect of an Inhibitor of DNA Methylation on T Cells. I. 5-Azacytidine Induces T4 Expression on T8+ T Cells

P. L. Witte and J. W. Streilein

The Extent of Oxidative Mitogenesis Does Not Correlate with the Degree of Aldehyde Formation on the T Lymphocyte Membrane


Development and Ontogeny of Hamster T Cell Subpopulations

E. Roffman and M. Wilchek

T Cell-Induced Expression of Membrane IgG by 70Z/3 B Cells

G. W. Hoffmann, A. Cooper-Willis, and M. Chow

A New Symmetry: A Anti-B Is Anti-(B anti-A), and Reverse Enchancement

D. M. Klinman and A. D. Steinberg

Proliferation of Anti-DNA-Producing NZB B Cells in a Non-Autoimmune Environment

D. Opstelten, G. J. Deenen, J. Rozing, and S. V. Hunt

B Lymphocyte-Associated Antigens on Terminal Deoxynucleotidyl Transferase-Positive Cells and Pre-B Cells in Bone Marrow of the Rat

E. Yelenof, V. M. Sanders, J. W. Uhr, and E. S. Vitteta

In Vitro Activation of Murine Antigen-Specific Memory B Cells by a T-Dependent Antigen

Continued on page 4
Continued from page 3

**CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY**

R. P. Kimberly, N. L. Meryhew, and O. A. Runquist

N. L. Meryhew, R. P. Kimberly, R. P. Messner, and O. A. Runquist


S. J. Mentzer, D. V. Faller, and S. J. Burakoff

G. F. Gerberick, H. A. Jaffe, J. B. Willoughby, and W. F. Wiloughby

S. Fong, P. P. Chen, T. A. Gilbertson, J. R. Weber, R. I. Fox, and D. A. Carson

A. Landay, H. Kubagawa, and M. D. Cooper

J. P. Antel, M. B. Bania, A. Reder, and N. Cashman

91 Mononuclear Phagocyte Function in SLE. I. Bipartite Fc and Complement-Dependent Dysfunction

97 Mononuclear Phagocyte System in SLE. II. A Kinetic Model of Immune Complex Handling in Systemic Lupus Erythematosus

103 The Role of Nonactivated and Interferon-γ Activated Monocytes in Regulating Normal and SLE Patient B Cell Responses to TNP-Brucella abortus

108 Interferon-γ Induction of LFA-1-Mediated Homotypic Adhesion of Human Monocytes

114 Relationships between Pulmonary Inflammation, Plasma Transudation, and Oxygen Metabolite Secretion by Alveolar Macrophages

122 Expression of Three Cross-Reactive Idiotypes on Rheumatoid Factor Autoantibodies from Patients with Autoimmune Diseases and Seropositive Adults

129 Idiotypic Analysis of a B Cell Clone with Anti-Intermediate Filament Specificity in a Patient with Sjogren’s Syndrome: Involvement of Five Subpopulations Producing Different Immunoglobulin Isotypes

137 Activated Suppressor Cell Dysfunction in Progressive Multiple Sclerosis

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

R. J. Robb and C. M. Rusk

J. C. Reed, A. H. Abidi, J. D. Alpers, R. G. Hoover, R. J. Robb, and P. C. Nowell


B. Tartakovsky, E. J. Kovacs, L. Takacs, and S. K. Durum

A. Gustafsson, S. Sundström, and E. Lundgren

E. T. Bloom, J. T. Babbitt, and K. Kawakami

A. Muraguchi, H. Nishimoto, N. Kawamura, A. Hori, and T. Kishimoto


T. E. Kruger and J. E. Blalock

F. J. Dumont, R. G. E. Palfree, and L. Z. Coker

142 High and Low Affinity Receptors for Interleukin 2: Implications of Pronase, Phorbol Ester, and Cell Membrane Studies upon the Basis for Differential Ligand Affinities

150 Effect of Cyclosporin A and Dexamethasone on Interleukin 2 Receptor Gene Expression

155 Interleukin 2 Receptors on Cultured Murine Epidermal Langerhans Cells

160 T Cell Clone Producing an IL 1-Like Activity after Stimulation by Antigen-Presenting B Cells

167 The Augmentation of Human Natural Killer Cell Activity by Interferon-γ Is Not Associated with the Induction of the Interferon-α-Inducible Proteins

172 Monocyte-Mediated Augmentation of Human Natural Killer Cell Activity: Conditions, Monocyte and Effector Cell Characteristics

179 B Cell-Derived BCGF Functions as Autocrine Growth Factor(s) in Normal and Transformed B Lymphocytes

187 Identification of Two Distinct Factors, B15-TRF1 and B15-TRF2, Inducing Differentiation of Activated B Cells and Small Resting B Cells into Antibody-Producing Cells

197 Cellular Requirements for Thyrotropin Enhancement of In Vitro Antibody Production

201 Phenotypic Changes Induced by Interferon in Resting T Cells: Major Enhancement of Ly-6 Antigen Expression

**IMMUNOCHEMISTRY**


J. P. Ways, J. B. Rothbard, and P. Parham

D. Glotz and M. Zanetti

211 Molecular, Serologic, and Functional Evidence for an Apparent HLA-DR Triplet

217 Amino Acid Residues 56 to 69 of HLA-A2 Specify an Antigenic Determinant Shared by HLA-A2 and HLA-B17

223 Detection of a Regulatory Idiotype on a Spontaneous Neonatal Self-Reactive Hybridoma Antibody

Continued on page 5
Continued from page 4

| N. S. Greenspan, R. J. Fulton, and J. M. Davie | 228 Analysis of Anti-Streptococcal Group A Carbohydrate Idiotope Levels in Sera: Correlation of Magnitude of Expression with Idiotope Position and $V_k$ Haplotype |
| E. J. Quackenbush, P. Linsley, and M. Letarte | 234 Mouse L Cells Express a Molecular Complex Carrying the Human Epitopes Recognized by Monoclonal Antibodies 44D7 and 44H7 after DNA-Mediated Gene Transfer |
| G. Paradis, R. Bazin, and R. Lemieux | 240 Protective Effect of the Membrane Skeleton on the Immunologic Reactivity of the Human Red Cell Rh(D) Antigen |
| M. L. Dustin, R. Rothlein, A. K. Bhan, C. A. Dinarello, and T. A. Springer | 245 Induction by IL-1 and Interferon-γ: Tissue Distribution, Biochemistry, and Function of a Natural Adherence Molecule (ICAM-1) |
| E. Kilchherr, V. N. Schumaker, M. L. Phillips, and L. K. Curtis | 255 Activation of the First Component of Human Complement, Cl, by Monoclonal Antibodies Directed against Different Domains of Subcomponent C1q |
| D. F. Carney, C. H. Hammer, and M. L. Shin | 263 Elimination of Terminal Complement Complexes in the Plasma Membrane of Nucleated Cells: Influence of Extracellular Ca$^{2+}$ and Association with Cellular Ca$^{2+}$ |

**IMMUNOPHARMACOLOGY**

| M. W. Verghese, C. D. Smith, L. A. Charles, L. Jakoi, and R. Snyderman | 271 A Guanine Nucleotide Regulatory Protein Controls Polyphosphoinositide Metabolism, Ca$^{2+}$ Mobilization, and Cellular Responses to Chemotactants in Human Monocytes |
| E. M. Sternberg, J. Trial, and C. W. Parker | 276 Effect of Serotonin on Murine Macrophages: Suppression of $Ia$ Expression by Serotonin and Its Reversal by 5-HT$2$ Serotonegic Receptor Antagonists |
| D. English, M. Schell, A. Sliakotos, and T. G. Gabig | 283 Reversible Activation of the Neutrophil Superoxide Generating System by Hexachlorocyclohexane: Correlation with Effects on a Subcellular Superoxide-Generating Fraction |
| P. G. Hellewell and T. J. Williams | 302 A Specific Antagonist of Platelet-Activating Factor Suppresses Oedema Formation in an Arthus Reaction but not Oedema Induced by Leukocyte Chemotactants in Rabbit Skin |
| M. M. Khan, D. Marr-Leisy, M. S. Verlander, M. R. Bristow, S. Strober, M. Goodman, and K. L. McElmon | 308 The Effects of Derivatives of Histamine on NaturalSuppressor Cells |

**MICROBIAL IMMUNOLOGY**

| D. R. Milich, A. McLachlan, F. V. Chiarle, S. B. H. Kent, and G. B. Thornton | 315 Immune Response to the Pre-S (1) Region of the Hepatitis B Surface Antigen (HBsAg): A Pre-S (1)-Specific T Cell Response Can Bypass Nonresponsiveness to the Pre-S (2) and S Regions of HBsAg |
| J. K. A. Nicholson, G. D. Cross, C. S. Callaway, and J. S. McDougal | 323 In Vitro Infection of Human Monocytes with Human T Lymphotropic Virus Type III/Lymphadenopathy-Associated Virus (HTLV-III/LAV) |
| B. Charpentier, S. Michelson, and B. Martin | 330 Definition of Human Cytomegalovirus-Specific Target Antigens Recognized by Cytotoxic T Cells Generated In Vitro by Using an Autologous Lymphocyte System |
| J.-P. Coutelier, J. T. M. Van Der Logt, F. W. A. Heessen, G. Warnier, and J. Van Snick | 337 Rheumatoid Factor Production in 129/Sv Mice: Involvement of an Intestinal Infectious Agent |
| M. E. Shapiro, D. L. Kasper, D. F. Zaleznik, S. Spriggs, A. B. Onderdonk, and R. W. Finberg | 341 Cellular Control of Abscess Formation: Role of T Cells in the Regulation of Abscesses Formed in Response to *Bacteroides fragilis* |

Continued on page 6
Continued from page 5

D. A. Brake, W. P. Weidanz, and C. A. Long
M. R. d'Império Lima, H. Eisen, P. Minoprio, M. Joskowicz, and A. Coutinho

347 Antigen-Specific, Interleukin 2-Propagated T Lymphocytes Confer Resistance to a Murine Malarial Parasite, *Plasmodium chabaudi adami*

353 Persistence of Polyclonal B Cell Activation with Undetectable Parasitemia in Late Stages of Experimental Chagas' Disease

357 Immunogenicity of the Repetitive and Nonrepetitive Peptide Regions of the Divergent CS Protein of *Plasmodium knowlesi*

MOLECULAR BIOLOGY • MOLECULAR GENETICS

N. F. Landolfi, J. D. Capra, and P. W. Tucker
K. L. McGuire, W. R. Duncan, and P. W. Tucker
A. L. Cortese Hassett, K. S. Stranick, J. Locker, H. W. Kunz, and T. J. Gill III

362 Germ-Line Sequence of the D₃4 Segment Employed in Ars-A Antibodies: Implications for the Generation of Junctional Diversity

366 Structure of a Class I Gene From Syrian Hamster

373 Molecular Analysis of the Rat MHC. I. Delineation of the Major Regions in the MHC and in the grc

TUMOR IMMUNOLOGY

V. J. Hearing, D. M. Gersten, P. M. Montague, W. D. Vieira, G. Galetto, and L. W. Law
T. J. Sayers, J. R. Ransom, A. C. Denn III, R. B. Herberman, and J. R. Ortaldo

379 Murine Melanoma-Specific Tumor Rejection Activity Elicited by a Purified, Melanoma-Associated Antigen

385 Analysis of a Cytostatic Lymphokine Produced by Incubation of Lymphocytes with Tumor Cells: Relationship to Leukoregulin and Distinction from Recombinant Lymphotoxin, Recombinant Tumor Necrosis Factor, and Natural Killer Cytotoxic Factor

Obituary
Announcements
Author Index