



This information is current as
of May 16, 2022.

Why *The JI*? [Submit online.](#)

- **Rapid Reviews! 30 days*** from submission to initial decision
- **No Triage!** Every submission reviewed by practicing scientists
- **Fast Publication!** 4 weeks from acceptance to publication

**average*

- 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

COMMUNICATIONS

- | | | |
|-------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J. W. Lowenthal and H. R. MacDonald | 1 | Expression of Interleukin 1 Receptors Is Restricted to the L3T4 ⁺ Subset of Mature T Lymphocytes |
| R. F. Coico, J. A. Berzofsky, J. York-Jolly, S. Ozaki, G. W. Siskind, and G. J. Thorbecke | 4 | Physiology of IgD. VII. Induction of Receptors for IgD on Cloned T Cells by IgD and Interleukin 2 |
| L. R. Smith, K. L. Bost, and J. E. Blalock | 7 | Generation of Idiotypic and Anti-Idiotypic Antibodies by Immunization with Peptides Encoded by Complementary RNA: A Possible Molecular Basis for the Network Theory |

CELLULAR IMMUNOLOGY

- | | | |
|---------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H. Golding, T. Mizuochi, S. A. McCarthy, C. A. Cleveland, and A. Singer | 10 | Relationship among Function, Phenotype, and Specificity in Primary Allo-specific T Cell Populations: Identification of Phenotypically Identical But Functionally Distinct Primary Cell Subsets that Differ in Their Recognition of MHC Class I and Class II Allodeterminants |
| K. Iwabuchi, K. Ogasawara, M. Ogasawara, R. Yasumizu, M. Noguchi, L. Geng, M. Fujita, R. A. Good, and K. Onoe | 18 | A Study on Proliferative Responses to Host Ia Antigens in Allogeneic Bone Marrow Chimera in Mice: Sequential Analysis of the Reactivity and Characterization of the Cells Involved in the Responses |
| D. N. Ernst, W. O. Weigle, and M. L. Thoman | 26 | Retention of T Cell Reactivity to Mitogens and Alloantigens By Peyer's Patch Cells of Aged Mice |
| H. T. Cheung, C. A. Rehwaldt, J. S. Twu, N. S. Liao, and A. Richardson | 32 | Aging and Lymphocyte Cytoskeleton: Age-Related Decline in the State of Actin Polymerization in T Lymphocytes from Fischer F344 Rats |
| I. Athanassakis, R. C. Bleackley, V. Paetkau, L. Guilbert, P. J. Barr, and T. G. Wegmann | 37 | The Immunostimulatory Effect of T Cells and T Cell Lymphokines on Murine Fetally Derived Placental Cells |

Continued on page 4

THE JOURNAL OF IMMUNOLOGY (ISSN 0022-1767) is published twice each month by The American Association of Immunologists, 428 East Preston Street, Baltimore, MD 21202. Subscription rates \$150 (\$205 foreign); institutions \$170 (\$225 foreign); students \$41 (\$96 foreign); single copy \$8 (\$11 foreign). Indexed by *Current Contents* and *Index Medicus*. Second class postage paid at Baltimore, MD 21202 and at additional mailing offices. POSTMASTER: Send address changes to The Journal of Immunology at 428 East Preston Street, Baltimore, MD 21202. Copyright © 1987 by The American Association of Immunologists.

EDITORIAL OFFICE CHANGE

Beginning April 13, 1987, all new manuscripts will be sent to the new Editor-in-Chief:

Dr. Ethan Shevach
The American Association of Immunologists
9650 Rockville Pike
Bethesda, MD 20814

Manuscripts, correspondence, and matters relating to manuscripts submitted to The Journal of Immunology prior to April 13, 1987 will continue to be processed in the San Diego editorial office:

Dr. Joseph Feldman
The Journal of Immunology
3770 Tansy Street
San Diego, CA 92121

Continued from page 3

- D. Kabelitz, K.-H. Enssle, B. Fleischer, and J. Reimann 45 Antigen-Presenting T Cells. II. Clonal Responses of Alloreactive and Virus-Specific Self-Restricted Human Cytotoxic T Cell Responses Stimulated by T Lymphoblasts
- D. L. Thiele, M. R. Charley, J. A. Calomeni, and P. E. Lipsky 51 Lethal Graft-vs-Host Disease Across Major Histocompatibility Barriers: Requirement for Leucyl-Leucine Methyl Ester Sensitive Cytotoxic T Cells
- J. R. Klein and M. F. Kagnoff 58 Spontaneous in Vitro Evolution of Lytic Specificity of Cytotoxic T Lymphocyte Clones Isolated from Murine Intestinal Epithelium
- L. S. Gray, J. R. Gnarra, and V. H. Engelhard 63 Demonstration of a Calcium Influx in Cytolytic T Lymphocytes in Response to Target Cell Binding
- K. M. Mohler, P. G. Strome, and J. W. Streilein 70 Allo-I-J Determinants Participate in Maintenance of Neonatal H-2 Tolerance
- W.-S. Chu, M. R. Carpino, A. Dent, and S. Rich 78 Suppressor T Cell Growth and Production of a Suppressor T Cell Differentiation Factor by the Murine Thymoma BW5147
- M. E. Kurtz, D. Martin-Morgan, and R. J. Graff 87 Recognition of the β -2 Microglobulin-B Molecule by a CTL Clone
- E. T. H. Yeh, H. Reiser, J. Daley, and K. L. Rock 91 Stimulation of T Cells Via the Tap Molecule, a Member in a Family of Activating Proteins Encoded in the Ly-6 Locus
- A. Pezzutto, B. Dörken, G. Moldenhauer, and E. A. Clark 98 Amplification of Human B Cell Activation by a Monoclonal Antibody to the B Cell-Specific Antigen CD22, Bp 130/140

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

- S. D. Alpert, P. J. Turek, S. K. H. Foung, and E. G. Engleman 104 Human Monoclonal Anti-T Cell Antibody from a Patient with Juvenile Rheumatoid Arthritis
- S. Matsushita, M. Muto, M. Suemura, Y. Saito, and T. Sasazuki 109 HLA-Linked Nonresponsiveness to *Cryptomeria japonica* Pollen Antigen. I. Nonresponsiveness Is Mediated by Antigen-Specific Suppressor T Cell
- T. J. M. Ruers, W. A. Buurman, and C. J. van der Linden 116 2'-Deoxycoformycin and Deoxyadenosine Affect IL 2 Production and IL 2 Receptor Expression of Human T Cells
- A. Livneh, A. Halpern, D. Perkins, A. Lazo, R. Halpern, and B. Diamond 123 A Monoclonal Antibody to a Cross-Reactive Idiotype on Cationic Human Anti-DNA Antibodies Expressing λ Light Chains: A New Reagent to Identify a Potentially Differential Pathogenic Subset
- J. Gavalchin, R. A. Seder, and S. K. Datta 128 The NZB \times SWR Model of Lupus Nephritis. I. Cross-Reactive Idiotypes of Monoclonal Anti-DNA Antibodies in Relation to Antigenic Specificity, Charge, and Allotype: Identification of Interconnected Idiotype Families Inherited from the Normal SWR and the Autoimmune NZB Parents
- J. Gavalchin and S. K. Datta 138 The NZB \times SWR Model of Lupus Nephritis. II. Autoantibodies Deposited in Renal Lesions Show a Restricted Idiotypic Diversity
- K. Katagiri, T. Katagiri, R. A. Eisenberg, J. Ting, and P. L. Cohen 149 Interleukin 2 Responses of *lpr* and Normal L3T4⁺/Lyt-2⁻ T Cells Induced by TPA Plus A23187
- J. D. Mountz, H. R. Smith, R. L. Wilder, J. P. Reeves, and A. D. Steinberg 157 CS-A Therapy in MRL-*lpr/lpr* Mice: Amelioration of Immunopathology Despite Autoantibody Production
- W. W. Hancock, R. H. Lord, A. J. Colby, T. Diamanstein, F. R. Rickles, and N. L. Tilney 164 Identification of IL 2R⁺ T Cells and Macrophages within Rejecting Rat Cardiac Allografts, and Comparison of the Effects of Treatment with Anti-IL 2R Monoclonal Antibody or Cyclosporin
- R. E. Pollock, E. Lotzová, S. D. Stanford, and M. M. Romsdahl 171 Effect of Surgical Stress on Murine Natural Killer Cell Cytotoxicity
- J. Satoh, K. Sakai, M. Endoh, F. Koike, T. Kunishita, T. Namikawa, T. Yamamura, and T. Tabira 179 Experimental Allergic Encephalomyelitis Mediated by Murine Encephalitogenic T Cell Lines Specific for Myelin Proteolipid Apoprotein

Continued on page 5

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- W. W. Hancock, W. A. Muller, R. S. Cotran 185 Interleukin 2 Receptors Are Expressed by Alveolar Macrophages during Pulmonary Sarcoidosis and Are Inducible by Lymphokine Treatment of Normal Human Lung Macrophages, Blood Monocytes, and Monocyte Cell Lines
- A. B. Reske-Kunz, H. Osawa, O. Josimović-Alasević, E. Rude, and T. Diamantstein 192 Soluble Interleukin 2 Receptors Are Released by Long Term-Cultured Insulin-Specific T Cells Transiently after Contact with Antigen
- H. Fujiwara, Z. Toossi, K. Ohnishi, K. Edmonds, and J. J. Ellner 197 Spontaneous Production of a Suppressor Factor by a Human Macrophage-Like Cell Line U937. II. Suppression of Antigen- and Mitogen-Induced Blastogenesis, IL 2 Production and IL 2 Receptor Expression in T Lymphocytes

IMMUNOCHEMISTRY

- J. L. Spouge, H. R. Guy, J. L. Cornette, H. Margalit, K. Cease, J. A. Berzofsky, and C. DeLisi 204 Strong Conformational Propensities Enhance T Cell Antigenicity
- R. Jemmerson 213 Multiple Overlapping Epitopes in the Three Antigenic Regions of Horse Cytochrome c
- Guy J. W. J. Zigterman, H. Snippe, M. Jansze, and J. M. N. Willers 220 Adjuvant Effects of Nonionic Block Polymer Surfactants on Liposome-Induced Humoral Immune Response
- K. D. Pischel, M. E. Hemler, C. Huang, H. G. Bluestein, and V. L. Woods, Jr. 226 Use of the Monoclonal Antibody 12F1 to Characterize the Differentiation Antigen VLA-2
- R. E. Cone, D. A. Gerardi, J. Davidoff, J. Petty, K. Kobayashi, and S. Cohen 234 Quantitation of T Cell Antigen-Binding Molecules (TABM) in the Sera of Nonimmunized, Immunized, and Desensitized Mice
- D. W. Mann, I. Stroynowski, L. Hood, and J. Forman 240 Cytotoxic T Lymphocytes from Mice with Soluble Class I Q10 Molecules in Their Serum Are Not Tolerant to Membrane-Bound Q10
- B. P. Morgan, J. R. Dankert, and A. F. Esser 246 Recovery of Human Neutrophils from Complement Attack: Removal of the Membrane Complex by Endocytosis and Exocytosis
- D. P. Vik and D. T. Fearon 254 Cellular Distribution of Complement Receptor Type 4 (CR4): Expression on Human Platelets

IMMUNOPHARMACOLOGY

- P. S. Yoon, L. A. Boxer, L. A. Mayo, A. Y. Yang, and M. S. Wicha 259 Human Neutrophil Laminin Receptors: Activation-Dependent Receptor Expression
- U. Ramstedt, C. N. Serhan, K. C. Nicolau, S. E. Webber, H. Wigzell, and B. Samuelsson 266 Lipoxin A-Induced Inhibition of Human Natural Killer Cell Cytotoxicity: Studies on Stereospecificity of Inhibition and Mode of Action
- N. Subramanian and M. A. Bray 271 Interleukin 1 Releases Histamine from Human Basophils and Mast Cells in Vitro
- D. H. Russell, A. R. Buckley, D. W. Montgomery, N. A. Larson, P. W. Gout, C. T. Beer, C. W. Putnam, C. F. Zukoski, and R. Kibler 276 Prolactin-Dependent Mitogenesis in Nb 2 Node Lymphoma Cells: Effects of Immunosuppressive Cyclopeptides

Continued on page 6

MICROBIAL IMMUNOLOGY

- | | | |
|---------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N. S. Greenspan, W. J. Monafó, and J. M. Davie | 285 | Interaction of IgG3 Anti-Streptococcal Group A Carbohydrate (GAC) Antibody with Streptococcal Group A Vaccine: Enhancing and Inhibiting Effects of Anti-GAG, Anti-Isotypic, and Anti-Idiotypic Antibodies |
| I. M. Orme | 293 | The Kinetics of Emergence and Loss of Mediator T Lymphocytes Acquired in Response to Infection with <i>Mycobacterium tuberculosis</i> |
| M. Kweider, J.-L. Lemesre, F. Darcy, J.-P. Kusnierz, A. Capron, and F. Santoro | 299 | Infectivity of <i>Leishmania braziliensis</i> Promastigotes Is Dependent on the Increasing Expression of a 65,000-Dalton Surface Antigen |
| M. F. Good, I. A. Quakyi, A. Saul, J. A. Berzofsky, R. Carter, and L. H. Miller | 306 | Human T Clones Reactive to the Sexual Stages of <i>Plasmodium falciparum</i> Malaria: High Frequency of Gamete-Reactive T Cells in Peripheral Blood from Nonexposed Donors |

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- | | | |
|------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------|
| J. H. Weis, C. C. Morton, G. A. P. Bruns, J. J. Weis, L. B. Klickstein, W. W. Wong, and D. T. Fearon | 312 | A Complement Receptor Locus: Genes Encoding C3b/C4b Receptor and C3d/Epstein-Barr Virus Receptor Map to 1q32 |
| L. Reininger, P. Ollier, P. Poncet, A. Kaushik, and J. C. Jaton | 316 | Novel V Genes Encode Virtually Identical Variable Regions of Six Murine Monoclonal Anti-Bromelain-Treated Red Blood Cell Autoantibodies |
| C. A. Gritzmacher and F.-T. Liu | 324 | Expression of a Recombinant Murine IgE in Transfected Myeloma Cells |
| Letter to the Editor | 330 | |
| Announcements | 331 | |
| Author Index | 332 | |

EDITORIAL OFFICE CHANGE

Beginning April 13, 1987, all new manuscripts will be sent to the new Editor-in-Chief:

Dr. Ethan Shevach

The American Association of Immunologists
9650 Rockville Pike
Bethesda, MD 20814

Manuscripts, correspondence, and matters relating to manuscripts submitted to *The Journal of Immunology* prior to April 13, 1987 will continue to be processed in the San Diego editorial office:

Dr. Joseph Feldman
The Journal of Immunology
3770 Tansy Street
San Diego, CA 92121