

This information is current as
of April 21, 2019.

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

CELLULAR IMMUNOLOGY

J. M. Teale and C. A. Janeway, Jr.	749	Influence of Immunoglobulin-Dependent T Cells on Antibody Class Switching
M.-L. Gougeon and J. Thèze	755	A Polyclonal Assay for T Helper Function Involving T-B Cell Contact Mediated by L3T4 Molecules
S. T. Pals, G. Kraal, E. Horst, A. de Groot, R. J. Scheper, and C. J. L. M. Meijer	760	Human Lymphocyte-High Endothelial Venule Interaction: Organ-Selective Binding of T and B Lymphocyte Populations to High Endothelium
J. A. Kern, J. C. Reed, R. P. Daniele, and P. C. Nowell	764	The Role of the Accessory Cell in Mitogen-Stimulated Human T Cell Gene Expression
J.-H. Huang, R. E. Ward, and H. Kohler	770	Idiotope Antigens (Ab2 α and Ab2 β) Can Induce In Vitro B Cell Proliferation and Antibody Production
J. P. Cogswell, R. P. Phipps, and D. W. Scott	777	Role of Self Carriers in the Immune Response and Tolerance .X. A Lymphoid Dendritic-Like Tumor, P388AD.2, Acts as a Novel Immunogenic Carrier for Hapten
J. L. Press and C. A. Giorgetti	784	Clonal Analysis of the Primary and Secondary B Cell Responses of Neonatal, Adult, and <i>Xid</i> Mice to (T,G)-A--L
P. S. Pillai, S. D. Reynolds, J. H. Chace, and D. W. Scott	791	Differential Expression of a Surface Antigen Recognized by a Monoclonal Antibody, J11d, on Unprimed and Primed B Cells
K. Shortman and A. Wilson	798	Degradation of Specificity in Cytolytic T Lymphocyte Clones: The Separate YAC-1-Type (NK-Like) and P815-Type Broad Specificity Killing Patterns Are both Restricted to the Larger Cells within a Clone but May Be Expressed Independently in Clones from Different Mouse Strains
R. A. Miller	805	Immunodeficiency of Aging: Restorative Effects of Phorbol Ester Combined with Calcium Ionophore
R. P. Bucy	809	Alloantigen-Specific Suppressor T Cells Are Not Inhibited by Cyclosporin A, but Do Require IL 2 for Activation
W. R. Green and J. D. Phillips	814	Differential Induction of H-2K vs H-2D Class I Major Histocompatibility Complex Antigen Expression by Murine Recombinant Interferon- γ

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

A. Weiss, B. Manger, and J. Imboden	819	Synergy between the T3/Antigen Receptor Complex and Tp44 in the Activation of Human T Cells
T. Pumarola-Sune, F. Graus, Y.-X. Chen, C. Cordon-Cardo, and R. L. Evans	826	A Monoclonal Antibody that Induces T Cell Aggregation Reacts with Vascular Endothelial Cells and Placental Trophoblasts
L. Chatenoud, M. F. Baudrihaye, N. Chkoff, H. Kreis, G. Goldstein, and J.-F. Bach	830	Restriction of the Human In Vivo Immune Response against the Mouse Monoclonal Antibody OKT3
P. Burtin, G. Chavanel, J. C. Hendrick, and N. Frenoy	839	Antigenic Variants of the Nonspecific Cross-Reacting Antigen (NCA)
F. A. Zuckermann and J. R. Head	846	Expression of MHC Antigens on Murine Trophoblast and Their Modulation by Interferon
J. D. Watson, P. S. Crosier, C. J. March, P. J. Conlon, D. Y. Mochizuki, S. Gillis, and D. L. Urdal	854	Purification to Homogeneity of a Human Hematopoietic Growth Factor that Stimulates the Growth of a Murine Interleukin 3-Dependent Cell Line

Continued on page 4

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- | | | |
|---|-----|--|
| M. R. Hill, R. D. Stith, and R. E. McCallum | 858 | Interleukin 1: A Regulatory Role in Glucocorticoid-Regulated Hepatic Metabolism |
| H. W. Schnaper and T. M. Aune | 863 | Suppression of Immune Responses to Sheep Erythrocytes by the Lymphokine Soluble Immune Response Suppressor (SIRS) In Vivo |
| H. D. Gresham, L. T. Clement, J. E. Lehmeyer, F. M. Griffin, Jr., and J. E. Volanakis | 868 | Stimulation of Human Neutrophil Fc Receptor-Mediated Phagocytosis by a Low Molecular Weight Cytokine |
| K. M. Sanders and B. H. Littman | 876 | Lymphokine Stimulation of Human Macrophage C2 Production Is Partially Due to Interferon- γ |
| B. Chakravarti, R. D. Schreiber, and H. J. Müller-Eberhard | 880 | Phagocytosis by Human Monocytes of Unopsonized Particulate Activators of the Human Alternative Complement Pathway: Induction by Cytokine |

IMMUNOCHEMISTRY

- | | | |
|--|-----|--|
| M. E. White-Scharf and T. Imanishi-Kari | 887 | Genetic Basis for Altered Idiotype Expression in the Hyperimmune Response to (4-Hydroxy-3-Nitrophenyl)Acetyl Hapten |
| R. A. Zeff, J. Gopas, E. Steinhauer, T. V. Rajan, and S. G. Nathenson | 897 | Analysis of Somatic Cell H-2 Variants to Define the Structural Requirements for Class I Antigen Expression |
| S. Rojo, J. A. López de Castro, P. Aparicio, G. van Seventer, and R. Bragado | 904 | HLA-B27 Antigenicity: Antibodies against the Chemically Synthesized 63-84 Peptide from HLA-B27.1 Display Alloantigenic Specificity and Discriminate among HLA-B27 Subtypes |
| N. Shastri, G. Gammon, S. Horvath, A. Miller, and E. E. Sercarz | 911 | The Choice between Two Distinct T Cell Determinants within a 23 Amino Acid Region of Lysozyme Depends upon Their Structural Context |
| J. C. Beck, T. H. Hansen, S. E. Cullen, and D. R. Lee | 916 | Slower Processing, Weaker β_2 -M Association, and Lower Surface Expression of H-2L ^d Are Influenced by Its Amino Terminus |
| K. Hirayama, Y. Nishimura, K. Tsukamoto, and T. Sasazuki | 924 | Functional and Molecular Analysis of Three Distinct HLA-DR4 β -Chains Responsible for the MLR between HLA-Dw4, Dw15, and DKT2 |
| T. Matsuyama, J. Schwenzer, J. Silver, and R. Winchester | 934 | Structural Relationships between the DR β_1 and DR β_2 Subunits in DR4, 7, and w9 Haplotypes and the DRw53 (MT3) Specificity |
| J. Böhme, B. Carlsson, J. Wallin, E. Möller, B. Persson, P. A. Peterson, and L. Rask | 941 | Only One DQ β Restriction Fragment Pattern of each DR Specificity Is Associated with Insulin-Dependent Diabetes |
| M. Ayane, L. Mengle-Gaw, H. O. McDevitt, C. Benoist, and D. Mathis | 948 | E α^u and E β^u Chain Association: Where Lies the Anomaly? |

IMMUNOPHARMACOLOGY

- | | | |
|---|-----|---|
| P. S. Rabinovitch, C. H. June, and J. A. Ledbetter | 952 | Heterogeneity among T Cells in Intracellular Free Calcium Responses after Mitogen Stimulation with PHA or Anti-CD3: Simultaneous Use of Indo-1 and Immunofluorescence with Flow Cytometry |
| N. M. Schechter, J. K. Choi, D. A. Slavin, D. T. Deresienski, S. Sayama, G. Dong, R. M. Lavker, D. Proud, and G. S. Lazarus | 962 | Identification of a Chymotrypsin-Like Proteinase in Human Mast Cells |
| J. J. O'Shea, J. B. Harford, and R. D. Klausner | 971 | Identification and Characterization of the Phosphatidylinositol Kinase in Membranes of Murine T Lymphocytes |
| C. R. Baumgarten, R. C. Nichols, R. M. Naclerio, L. M. Lichtenstein, P. S. Norman, and D. Proud | 977 | Plasma Kallikrein during Experimentally Induced Allergic Rhinitis: Role in Kinin Formation and Contribution to TAME-Esterase Activity in Nasal Secretions |

MICROBIAL IMMUNOLOGY

- G. Kaplan, C. F. Nathan, R. Gandhi, M. A. Horwitz, W. R. Levis, and Z. A. Cohn 983 Effect of Recombinant Interferon- γ on Hydrogen Peroxide-Releasing Capacity of Monocyte-Derived Macrophages from Patients with Lepromatous Leprosy
- M. J. Parmely and R. T. Horvat 988 Antigenic Specificities of *Pseudomonas aeruginosa* Alkaline Protease and Elastase Defined by Human T Cell Clones
- T. J. Braciale, T. J. Henkel, A. Lukacher, and V. L. Braciale 995 Fine Specificity and Antigen Receptor Expression among Influenza Virus-Specific Cytolytic T Lymphocyte Clones
- L. Severinsson, I. Martens, and P. A. Peterson 1003 Differential Association between Two Human MHC Class I Antigens and an Adenoviral Glycoprotein
- R. M. Gorczynski 1010 Do Sugar Residues Contribute to the Antigenic Determinants Responsible for Protection and/or Abolition of Protection in Leishmania-Infected BALB/c Mice?
- P. Scott, P. Natovitz, and A. Sher 1017 B Lymphocytes Are Required for the Generation of T Cells that Mediate Healing of Cutaneous Leishmaniasis
- C. Chizzolini and L. Perrin 1022 Antigen-Specific and MHC-Restricted *Plasmodium falciparum*-Induced Human T Lymphocyte Clones

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- J. D. Mountz, K. E. Huppi, M. F. Seldin, J. F. Mushinski, and A. D. Steinberg 1029 T Cell Receptor Gene Expression in Autoimmune Mice
- C. W. Liaw, R. Zamoyska, and J. R. Parnes 1037 Structure, Sequence, and Polymorphism of the Lyt-2 T Cell Differentiation Antigen Gene
- F. L. Owen, B. A. Taylor, A. Zweidler, and J. G. Seidman 1044 The Murine γ -Chain of the T Cell Receptor Is Closely Linked to a Spermatoocyte Specific Histone Gene and the Beige Coat Color Locus on Chromosome 13
- J. J. M. van Dongen, A. H. M. Geurts van Kessel, I. L. M. Wolvers-Tettero, M. A. Versnel, A. van Oudenaren, E. Schoenmaker, and A. Hagemeyer 1047 Construction of Human-Mouse T Cell Hybrids that Express Human T Cell-Associated Surface Antigens and Allow the Chromosomal Localization of these Antigens
- A. J. Koletsky, M. W. Harding, and R. E. Hanschumacher 1054 Cyclophilin: Distribution and Variant Properties in Normal and Neoplastic Tissues
- L. Sastre, T. K. Kishimoto, C. Gee, T. Roberts, and T. A. Springer 1060 The Mouse Leukocyte Adhesion Proteins Mac-1 and LFA-1: Studies on mRNA Translation and Protein Glycosylation with Emphasis on Mac-1
- B. G. Sahagan, H. Dorai, J. Saltzgaber-Muller, F. Toneguzzo, C. A. Guidon, S. P. Lilly, K. W. McDonald, D. V. Morrissey, B. A. Stone, G. L. Davis, P. K. McIntosh, and G. P. Moore 1066 A Genetically Engineered Murine/Human Chimeric Antibody Retains Specificity for Human Tumor-Associated Antigen

TUMOR IMMUNOLOGY

- R. T. McCormack, R. D. Nelson, and T. W. LeBien 1075 Structure/Function Studies of the Common Acute Lymphoblastic Leukemia Antigen (CALLA/CD10) Expressed on Human Neutrophils
- R. B. Andreasen and L. Olsson 1083 Antibody Producing Human-Human Hybridomas. III. Derivation and Characterization of Two Antibodies with Specificity for Human Myeloid Cells
- Announcements 1093
- Author Index 1095
- Letters to the Editor 1091