

Stem Cells and Development

Complimentary Wall Poster



151 (5)

J Immunol 1993; 151:2345-2886; ;
<http://www.jimmunol.org/content/151/5.citation>

This information is current as
of October 14, 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>

The Journal of Immunology is published twice each month by
The American Association of Immunologists, Inc.,
1451 Rockville Pike, Suite 650, Rockville, MD 20852
All rights reserved.
Print ISSN: 0022-1767 Online ISSN: 1550-6606.



The Journal of Immunology

Contents

Volume 151 • Number 5 • September 1, 1993

Cellular Immunology and Immune Regulation

- 2345 Phorbol Ester 12-*O*-Tetradecanoylphorbol-13-Acetate Down-Regulates Expression of the *c-kit* Proto-Oncogene Product
Yoshinobu Asano, Marion A. Brach, Annette Ahlers, Sven de Vos, Joseph H. Butterfield, Leonie K. Ashman, Peter Valent, Hans-Jürgen Gruss, and Friedhelm Herrmann
- 2355 Reduced CD3-Mediated Protein Tyrosine Phosphorylation in Anergic CD4⁺ and CD8⁺ T Cells
Avinash Bhandoola, Eun Ah Cho, Katsuyuki Yui, H. Uri Saragovi, Mark I. Greene, and Helen Quill
- 2368 Costimulation with Integrin Ligands Intercellular Adhesion Molecule-1 or Vascular Cell Adhesion Molecule-1 Augments Activation-Induced Death of Antigen-Specific CD4⁺ T Lymphocytes
Nitin K. Damle, Kerry Klussman, Gina Leytze, Alejandro Aruffo, Peter S. Linsley, and Jeffrey A. Ledbetter
- 2380 CD30 Is a Signal-Transducing Molecule that Defines a Subset of Human Activated CD45RO⁺ T Cells
Thomas M. Ellis, Patricia E. Simms, David J. Slivnick, Hans-Martin Jäck, and Richard I. Fisher
- 2390 Inhibition of Langerhans Cell Antigen-Presenting Function by IL-10: A Role for IL-10 in Induction of Tolerance
Alexander H. Enk, Vincent L. Angeloni, Mark C. Udey, and Stephen I. Katz
- 2399 Selective Expression of Ly-6G on Myeloid Lineage Cells in Mouse Bone Marrow: RB6-8C5 mAb to Granulocyte-Differentiation Antigen (Gr-1) Detects Members of the Ly-6 Family
Tony J. Fleming, Margaret L. Fleming, and Thomas R. Malek
- 2409 Alterations in Lymphopoiesis After Hematopoietic Reconstitution with IL-7 Virus-Infected Bone Marrow
Christopher C. Fraser, J. Dean Thacker, Donna E. Hogge, Dolores Fatur-Saunders, Fumio Takei, and R. Keith Humphries
- 2419 Glycopeptides Bind MHC Molecules and Elicit Specific T Cell Responses
Clifford V. Harding, Jan Kihlberg, Mikael Elofsson, Göran Magnusson, and Emil R. Unanue
- 2426 Regulation of CD27 Expression on Subsets of Mature T-Lymphocytes
Rogier Q. Hintzen, Rolien de Jong, Susanne M. A. Lens, Miranda Brouwer, Paul Baars, and René A. W. van Lier
- 2436 Cytotoxic T Cell Responses to Minor H-43 Alloantigens in H-43 and H-43 Mice: Distinctive MHC Class I Restriction Specificity and Clonal Inactivation Are Inherent Properties of the H-43 System
Hiromichi Ishikawa, Jun Hayakawa, and Tetsuo Shiohara
- 2444 Effects of IL-12 on the Generation of Cytotoxic Activity in Human CD8⁺ T Lymphocytes
Priti Tandon Mehrotra, Dona Wu, James A. Crim, Howard S. Mostowski, and Jay P. Siegel
- 2453 Medullary Thymic Epithelium Expresses a Ligand for CTLA4 *In Situ* and *In Vitro*
Andrew J. Nelson, Suzanne Hosier, William Brady, Peter S. Linsley, and Andrew G. Farr

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 \$170 (\$260 foreign); institutions \$300 (\$390 foreign); single copy \$10 (\$15 foreign). Air Printed Matter rates are available on request from Customer Service, 428 E. Preston St., Baltimore, MD 21202-3993. Indexed by *Current Contents* and *Index Medicus*. Second class postage paid at Baltimore, MD 21202 and at additional mailing offices. Country of origin USA. Printed on acid-free paper which can be recycled. Postmaster: Send address changes to The Journal of Immunology, East Preston Street, Baltimore, MD 21202. Copyright © 1993 by The American Association of Immunologists.

- 2462 Pattern of Potassium Channel Expression in Proliferating B Lymphocytes Depends upon the Mode of Activation
Michel Partiseti, Henri Korn, and Daniel Choquet
- 2471 $\alpha 4\beta 7$ Integrin Mediates B Cell Binding to Fibronectin and Vascular Cell Adhesion Molecule-1: Expression and Function of $\alpha 4$ Integrins on Human B Lymphocytes
Antonio A. Postigo, Paloma Sánchez-Mateos, Andrew I. Lazarovits, Francisco Sánchez-Madrid, and Manuel O. de Landázuri
- 2484 Stimulation of IL-2 Production in Murine Lymphocytes by Substance P and Related Tachykinins
Pranela Rameshwar, Pedro Gascon, and Doina Ganea
- 2497 The Regulation of the Expression of gp39, the CD40 Ligand, on Normal and Cloned CD4⁺ T Cells
Meenakshi Roy, Thomas Waldschmidt, Alejandro Aruffo, Jeffrey A. Ledbetter, and Randolph J. Noelle
- 2511 Modulation of Perforin and Granzyme Messenger RNA Expression in Human Natural Killer Cells
Theodora W. Salcedo, Livio Azzoni, Stanley F. Wolf, and Bice Perussia
- 2521 Properdin, a Positive Regulator of Complement Activation, Is Expressed in Human T Cell Lines and Peripheral Blood T Cells
Wilhelm Schwaeble, Wolfgang G. Dippold, Martin K.-H. Schäfer, Heike Pohla, Daniel Jonas, Birgit Luttig, Eberhard Weihe, Hartwig P. Huemer, Manfred P. Dierich, and Kenneth B. M. Reid
- 2529 Low Concentrations of Gm Allotypic Subsets G₃ m and G₁ m in Homozygotes and Heterozygotes
Ilkka J. T. Seppälä, Heikki Sarvas, and Olli Mäkelä
- 2538 Presentation of the MIs-1 Superantigen by Human HLA Class II Molecules to Murine T Cells
Meena Subramanyam, Brian McLellan, Nathalie Labrecque, Rafick P. Sekaly, and Brigitte T. Huber
- 2546 Expression of the Bcl-2 Protein in Murine and Human Thymocytes and in Peripheral T Lymphocytes
Deborah J. Veis, Charles L. Sentman, Erika A. Bach, and Stanley J. Korsmeyer
- 2555 Involvement of IL-6 Signal Transducer gp130 in IL-11-Mediated Signal Transduction
Tinggui Yin, Tetsuya Taga, Monica Lik-Shing Tsang, Kiyoshi Yasukawa, Tadamitsu Kishimoto, and Yu-Chung Yang

Molecular and Structural Immunology

- 2562 Nonimmune Macromolecular Complexes of Ig in Human Gut Lumen: Probable Enhancement of Antibody Functions
Jean-Pierre Bouvet, René Pirès, Sylvio Iscaki, and Jacques Pillot
- 2572 Characteristics of Endogenous Peptides Eluted from the Class I MHC Molecule HLA-B7 Determined by Mass Spectrometry and Computer Modeling
Eric L. Huczko, Wanda M. Bodnar, David Benjamin, Kazuyasu Sakaguchi, Nian Zhou Zhu, Jeffrey Shabanowitz, Robert A. Henderson, Ettore Appella, Donald F. Hunt, and Victor H. Engelhard
- 2588 Coordinate Silencing of Myeloma-Specific Genes in Myeloma × T Lymphoma Hybrids
Stephanie A. Lieberman, Maria D. Hines, P. Leif Bergsagel, W. Michael Kuehl, and Laurel A. Eckhardt
- 2601 Genomic Organization and Transcriptional Regulation of the RANTES Chemokine Gene
Peter J. Nelson, Hubert T. Kim, William C. Manning, Thomas J. Goralski, and Alan M. Krensky
- 2613 The Soluble Pool of β_2 -Microglobulin Free HLA Class I α -Chains: Qualitative and Quantitative Characterization
Winfried F. Pickl, Otto Majdic, Ingrid Faé, Roland Reuschel, Wolfgang Holter, and Walter Knapp
- 2623 Humanization of an Antibody Directed Against IgE
Leonard G. Presta, Steven J. Lahr, Robert L. Shields, James P. Porter, Cornelia M. Gorman, Brian M. Fendly, and Paula M. Jardieu

- 2633 Extraembryonic Expression of the Human MHC Class I Gene HLA-G in Transgenic Mice: Evidence for a Positive Regulatory Region Located 1 Kilobase 5' to the Start Site of Transcription
Cynthia M. Schmidt, Robert G. Ehlenfeldt, Maria C. Athanasiou, Lisa A. Duvick, Hubert Heinrichs, Chella S. David, and Harry T. Orr
- 2646 Regulation of TL Antigen Expression: Analysis of the *T18* Promoter Region and Responses to IFN- γ
I-Ming Wang, Vidya Mehta, and Richard G. Cook

Host Defense

- 2658 Prominent Usage of V β 8.3⁺ T Cells in the H-2D-Restricted Response to an Influenza A Virus Nucleoprotein Epitope
Alison M. Deckhut, William Allan, Anthony McMickle, Maryna Eichelberger, Marcia A. Blackman, Peter C. Doherty, and David L. Woodland
- 2667 IL-8 Produced by Human Malignant Melanoma Cells in Vitro Is an Essential Autocrine Growth Factor
Dirk Schadendorf, Annelie Möller, Bernd Algermissen, Margitta Worm, Michael Sticherling, and Beate M. Czarnetzki
- 2676 *Trypanosoma cruzi*: Immunity-Induced in Mice and Rats by Trypomastigote Excretory-Secretory Antigens and Identification of a Peptide Sequence Containing a T Cell Epitope with Protective Activity
Ali Taibi, Béatrice Plumas-Marty, Angel Guevara-Espinoza, Ralf Schöneck, Heleosina Pessoa, Marc Loyens, Romano Piras, Tania Aguirre, Hélène Gras-Masse, Marc Bossus, André Tartar, André Capron, and Ali Ouaiissi
- 2690 The Role of CD4⁺ T Cells in Immunity to Malaria Sporozoites
Walter R. Weiss, Martha Sedegah, Jay A. Berzofsky, and Stephen L. Hoffman

Inflammation

- 2699 Analysis of Human Skin Mast Cell Proteins by Two-Dimensional Gel Electrophoresis: Identification of Tryptase as a Sialylated Glycoprotein
R. Christopher Benyon, J. Antonio Enciso, and A. Dean Befus
- 2707 Epitope Mapping and Functional Analysis of Three Murine IgG1 Monoclonal Antibodies to Human Tumor Necrosis Factor- α
James W. Bloom, Jeffrey D. Bettencourt, and Gautam Mitra
- 2717 Protein Tyrosine Kinase Inhibitors Decrease Induction of Nitric Oxide Synthase Activity in Lipopolysaccharide-Responsive and Lipopolysaccharide-Nonresponsive Murine Macrophages
Zhongyun Dong, Xiaoxia Qi, Keping Xie, and Isaiah J. Fidler
- 2725 IL-2 Up-Regulates but IFN- γ Suppresses IL-8 Expression in Human Monocytes
G. Luca Gusella, Tiziana Musso, Maria C. Bosco, Igor Espinoza-Delgado, Kouji Matsushima, and Luigi Varesio
- 2733 Transcriptional Down-Regulation of Tumor Necrosis Factor- α Gene Expression by a Synthetic Peptide Homologous to Retroviral Envelope Protein
Soichi Haraguchi, Robert A. Good, George J. Cianciolo, Michelle James-Yarish, and Noorbibi K. Day
- 2742 Isolation of a Macrophage-Like Cell Line Defective in Binding of Lipopolysaccharide: Influence of Serum and Lipopolysaccharide Chain Length on Macrophage Activation
Teruo Kirikae, F. Ulrich Schade, Fumiko Kirikae, Ernst Th. Rietschel, and David C. Morrison
- 2753 Particle Opsonization and Lung Macrophage Cytokine Response
Lester Kobzik, Songlih Huang, Joseph D. Paulauskis, and John J. Godleski
- 2760 Effects of Subunit Mutation on the Localization to Coated Pits and Internalization of Cross-linked IgE-Receptor Complexes
Su-Yau Mao, Janet R. Pfeiffer, Janet M. Oliver, and Henry Metzger

- 2775 Human Mononuclear Phagocytes Express Adenosine A₁ Receptors: A Novel Mechanism for Differential Regulation of Fc γ Receptor Function
Jane E. Salmon, Nina Brogle, Catherine Brownlie, Jeffrey C. Edberg, Robert P. Kimberly, Bi-Xing Chen, and Bernard F. Erlanger
- 2786 Synergism Between Human Monocyte Chemotactic and Activating Factor and Bacterial Products for Activation of Tumoricidal Properties in Murine Macrophages
Rakesh K. Singh, Karen Berry, Kouji Matsushima, Kazuo Yasumoto, and Isaiah J. Fidler
- 2794 Conversion of Vitamin D₃ Binding Protein (Group-Specific Component) to a Macrophage Activating Factor by the Stepwise Action of β -Galactosidase of B Cells and Sialidase of T Cells
Nobuto Yamamoto and Ryunosuke Kumashiro

Clinical Immunology

- 2803 Differential Expression of H-2K and H-2D in the Central Nervous System of Mice Infected with Theiler's Virus
Ayşe Altintas, Zeiling Cai, Larry R. Pease, and Moses Rodriguez
- 2813 Allogenic MHC Class II Determinant(s) in MRL/lpr Autoimmune Disease-Prone Mice: Unusual Expression of an L1 Transposable Element Creates Molecular Mimicry
Pierre Bobé, Karim Benihoud, and Nicole Kiger
- 2820 Epitopes of Streptococcal M Proteins that Evoke Antibodies that Cross-React with Human Brain
Michael S. Bronze and James B. Dale
- 2829 Rescue, Expression, and Analysis of a Neutralizing Human Anti-Hepatitis A Virus Monoclonal Antibody
Alan P. Lewis, Stanley M. Lemon, Karen A. Barber, Paula Murphy, Nigel R. Parry, Tim C. Peakman, Martin J. Sims, Jenny Worden, and J. Scott Crowe
- 2839 High Affinity, Thyroid-Specific Human Autoantibodies Displayed on the Surface of Filamentous Phage Use V Genes Similar to Other Autoantibodies
Stefano Portolano, Sandra M. McLachlan, and Basil Rapoport
- 2852 Macrophage Inflammatory Protein-1 α Expression in Interstitial Lung Disease
Theodore J. Standiford, Mark W. Rolfe, Steven L. Kunkel, Joseph P. Lynch III, Marie D. Burdick, Andrew R. Gilbert, Mark B. Orringer, Richard I. Whyte, and Robert M. Strieter
- 2864 Autosomal Codominant Inheritance and Japanese Incidence of Deficiency of OKT4 Epitope with Lack of Reactivity Resulting from Conformational Change
Toru Takenaka, Koichi Kuribayashi, Hirokazu Nakamine, Fumio Yoshikawa, Jiro Maeda, Shuji Kishi, Hiromitsu Nakauchi, Yosuke Minatogawa, and Ryo Kido,
- 2871 Induction of Antibodies to a κ V Region by Gene Immunization
Akira Watanabe, Eyal Raz, Hitoshi Kohsaka, Helen Tighe, Stephen M. Baird, Thomas J. Kipps, and Dennis A. Carson
- 2877 Binding and Cytotoxicity Characteristics of the Bispecific Murine Monoclonal Antibody 2B1
Louis M. Weiner, Michele Holmes, Anne Richeson, Andrew Godwin, Gregory P. Adams, Sylvia T. Hsieh-Ma, David B. Ring, and R. Katherine Alpaugh
- 2887 Author Index
- 2889 Information for Contributors
- 2892 Submission Form
- 2893 Membership Form