

Explore
New Cellular
Frontiers

High Resolution at the Single
Cell Level to Resolve and
Isolate the Most Challenging
Cell Populations

See More. Sort More



152 (1)

J Immunol 1994; 152:1-373; ;
<http://www.jimmunol.org/content/152/1.citation>

This information is current as
of October 28, 2021.

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 152 • Number 1 • January 1, 1994

Update

1 CD Antigens 1993

S. F. Schlossman, L. Boumsell, W. Gilks, J. M. Harlan, T. Kishimoto, C. Morimoto, J. Ritz, S. Shaw, R. L. Silverstein, T. A. Springer, T. F. Tedder, and R. F. Todd

Cellular Immunology and Immune Regulation

3 The Suppressor Factor of T Suppressor Cells Induced by Tolerogenic Conjugates of Ovalbumin and Monomethoxypolyethylene Glycol Is Serologically and Physicochemically Related to the $\alpha\beta$ Heterodimer of the T Cell Receptor

Youhai Chen, Masaru Takata, Pradip K. Maiti, Subhra Mohapatra, Shyam S. Mohapatra, and Alec H. Sehon

12 Visualization of the Endogenous NF- κ B p50 Subunit in the Nucleus of Follicular Dendritic Cells in Germinal Centers

Jean Feuillard, Marie Körner, Christine Fourcade, Alexandra Costa, Jacques-Louis Binet, Patrice Debré, and Martine Raphael

22 CD40-Activated Surface IgD-Positive Lymphocytes Constitute the Long Term IL-4-Dependent Proliferating B Cell Pool

Laurent Galibert, Isabelle Durand, Jacques Banchereau, and Françoise Rousset

30 Tyrosine Phosphorylation Provides an Obligatory Early Signal for Fc γ RII-Mediated Endocytosis in the Monocytic Cell Line THP-1

Soosan Ghazizadeh and Howard B. Fleit

42 Both Phosphatidylinositol 3-Kinase and Phosphatidylinositol 4-Kinase Products Are Increased by Antigen Receptor Signaling in B Cells

Michael R. Gold and Ruedi Aebersold

51 Effects of Syngeneic Anti-IgE Antibodies on the Development of IgE Memory and on the Secondary IgE Response

Seiji Haba and Alfred Nisonoff

58 Recovery of T Cell Populations After Acute Graft-vs-Host Reaction

Frances T. Hakim, Susan Payne, and Gene M. Shearer

65 Identification of Two V β 7-Specific Viral Superantigens

Leszek Ignatowicz, John W. Kappler, Philippa Murrack, and Mark T. Scherer

72 Epithelial Transcytosis of Monomeric IgA and IgG Cross-linked Through Antigen to Polymeric IgA: A Role for Monomeric Antibodies in the Mucosal Immune System

Charlotte S. Kaetzel, Janet K. Robinson, and Michael E. Lamm

77 Regulation of Cytokine Gene Expression in T Helper Cell Subsets

James A. Lederer, James S. Liou, Marque D. Todd, Laurie H. Glimcher, and Andrew H. Lichtman

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, 428 East Preston Street, Baltimore, MD 21202. Copyright © 1994 by The American Association of Immunologists.

- 87 Immunobiologic and Biochemical Properties of Mutants of Toxic Shock Syndrome Toxin-1
Debra L. Murray, G. Sridhar Prasad, Cathleen A. Earhart, Bettina A. B. Leonard, Barry N. Kreiswirth, Richard P. Novick, Douglas H. Ohlendorf, and Patrick M. Schlievert
- 96 IL-2-Induced Expression of TTK, a Serine, Threonine, Tyrosine Kinase, Correlates with Cell Cycle Progression
Rosemarie Schmandt, Mary Hill, Antonella Amendola, Gordon B. Mills, and David Hogg
- 106 Immunodominant Mink Cell Focus-Inducing Murine Leukemia Virus (MuLV)-Encoded CTL Epitope, Identified by its MHC Class I-Binding Motif, Explains MuLV-Type Specificity of MCF-Directed Cytotoxic T Lymphocytes
Alice J. A. M. Sijts, Ferry Ossendorp, Erica A. M. Mengedé, Peter J. van den Elsen, and Cornelis J. M. Melief
- 117 CD40 Expression in Malignant Plasma Cells: Role in Stimulation of Autocrine IL-6 Secretion by a Human Myeloma Cell Line
Jennifer J. Westendorf, Gregory J. Ahmann, Richard J. Armitage, Melanie K. Spriggs, John A. Lust, Philip R. Greipp, Jerry A. Katzmann, and Diane F. Jelinek

Molecular and Structural Immunology

- 129 Structural and Immunologic Analysis of Gene Triplications in the Ig Heavy Chain Constant Region Locus
Alfredo Brusco, Umberto Cariota, Andrea Bottaro, Cleide Boccazzi, Alessandro Plebani, Alberto G. Ugazio, Renzo Galanello, Alfred M. van Leeuwen, Gerda G. DeLange, Susanne Depelchin, and Angelo O. Carbonara
- 136 A Peptide Sequence Mimics the Epitope on the Multideterminant Antigen (Tyr,Glu)-Ala-Lys that Induces the Dominant H10/V κ 1+ Primary Antibody Response
Carol A. Giorgetti and Joan L. Press
- 146 A Single Engineered Amino Acid Substitution Changes Antibody Fine Specificity
Paul H. Kussie, Behnaz Parhami-Seren, Lawrence J. Wysocki, and Michael N. Margolies
- 153 Promoter Analysis of an Interferon-Inducible Gene Associated with Macrophage Activation
Charles M. Nicolet and Donna M. Paulnock
- 163 Scheme for Ranking Potential HLA-A2 Binding Peptides Based on Independent Binding of Individual Peptide Side-Chains
Kenneth C. Parker, Maria A. Bednarek, and John E. Coligan
- 176 Normal V(D)J Coding Junction Formation in DNA Ligase I Deficiency Syndromes
John H. J. Petrini, John W. Donovan, Catherine Dimare, and David T. Weaver

Host Defense

- 184 Induction of Protective Immunity to *Haemophilus ducreyi* in the Temperature-Dependent Rabbit Model of Experimental Chancroid
Eric J. Hansen, Sheryl R. Lumbley, James A. Richardson, Bret K. Purcell, Marla K. Stevens, Leslie D. Cope, Jessica Datte, and Justin D. Radolf
- 193 T and B Epitope Determination and Analysis of Multiple Antigenic Peptides for the *Schistosoma mansoni* Experimental Vaccine Triose-Phosphate Isomerase
Sandra R. Reynolds, Charles E. Dahl, and Donald A. Harn

Inflammation

- 201 Human Epidermal Langerhans Cells Secrete a Soluble Receptor for IgG (Fc γ RII/CD32) that Inhibits the Binding of Immune Complexes to Fc γ R⁺ Cells
Anne Astier, Henri de la Salle, Corinne de la Salle, Thomas Bieber, Marie-Emanuelle Esposito-Farese, Monique Freund, Jean-Pierre Cazenave, Wolf-Herman Fridman, Jean-Luc Teillaud, and Daniel Hanau

- 213 Stem Cell Factor Induces Mast Cell Adhesion to Fibronectin
Jaroslav Dastych and Dean D. Metcalfe
- 220 CD11b/CD18 Integrin and a β -glucan Receptor Act in Concert to Induce the Synthesis of Platelet-Activating Factor by Monocytes
Mark R. Elstad, Charles J. Parker, F. Susan Cowley, Linda A. Wilcox, Thomas M. McIntyre, Stephen M. Prescott, and Guy A. Zimmerman
- 231 A Novel Granulocyte-Derived Peptide with Lipopolysaccharide-Neutralizing Activity
James W. Larrick, Michimasa Hirata, Hui Zheng, Jian Zhong, David Bolin, Jean-Marc Cavaillon, H. Shaw Warren, and Susan C. Wright
- 241 Production of IL-8 and Monocyte Chemoattractant Peptide-1 by Peripheral Blood Monocytes: Disparate Responses to Phytohemagglutinin and Lipopolysaccharide
Janice M. Liebler, Steven L. Kunkel, Marie D. Burdick, Theodore J. Standiford, Mark W. Rolfe, and Robert M. Strieter
- 250 Stimulation of Mitogen-Activated Protein Kinase Activity by Different Secretory Stimuli in Rat Basophilic Leukemia Cells
Stefan Offermanns, S. V. Penelope Jones, Evelyn Bombien, and Günter Schultz
- 262 Signal Transduction Mechanisms for Leukotriene B₄ Induced Hyperadhesiveness of Endothelial Cells for Neutrophils
Jan Palmblad, Richard Lerner, and Stefan H. Larsson
- 270 Tyrosine Kinase-Dependent Assembly of Actin Plaques Linking Fc ϵ R1 Cross-Linking to Increased Cell Substrate Adhesion in RBL-2H3 Tumor Mast Cells
Janet R. Pfeiffer and Janet M. Oliver
- 280 Characterization of a High Molecular Weight Tumor Necrosis Factor- α mRNA in Influenza A Virus-Infected Macrophages
Hans Sprenger, Michael Bacher, Eleftheria Rischkowsky, Armin Bender, Marianne Nain, and Diethard Gemsa
- 290 Exocytosis of a Subpopulation of Specific Granules Coincides with H₂O₂ Production in Adherent Human Neutrophils
Suzanne J. Suchard and L. A. Boxer

Clinical Immunology

- 302 Specificity and Class Distribution of Fc γ R-Specific Autoantibodies in Patients with Autoimmune Disease
Peter Boros, Joseph A. Odin, Jiayun Chen, and Jay C. Unkeless
- 307 Differential Requirement for Autoantibody-Producing B Cells for Induction of Lymphocytic versus Granulomatous Experimental Autoimmune Thyroiditis
Helen Braley-Mullen, Gordon C. Sharp, and Michael Kyriakos
- 315 T Cell Receptor V β Gene Expression in Monozygotic Twins: Discordance in CD8 Subset and in Disease States
Michael P. Davey, Mary M. Meyer, and Antony C. Bakke
- 322 Cytolysin Gene Expression in the Islets of Diabetic Biobreeding/Worcester Rats
Zhong Jiang, Joseph Makowiecki, John P. Mordes, and Bruce A. Woda
- 330 HIV-1 Infection of Human CD4⁺ T Cells in Vitro: Differential Induction of Apoptosis in These Cells
Seamus J. Martin, Patricia M. Matear, and Annapurna Vyakarnam
- 343 Induction of Multiple Heart Autoantibodies in Mice with Coxsackievirus B3- and Cardiac Myosin-Induced Autoimmune Myocarditis
D. A. Neumann, N. R. Rose, A. A. Ansari, and A. Herskowitz

- 351 Inhibition of IgE Production and Normalization of Airways Responsiveness by Sensitized CD8 T Cells in a Mouse Model of Allergen-Induced Sensitization
Harald Renz, Gideon Lack, Joachim Saloga, Reinhard Schwinger, Katherine Bradley, Joan Loader, Abraham Kupfer, Gary L. Larsen, and Erwin W. Gelfand
- 361 Regulation of Adhesion Molecule Expression in Kaposi's Sarcoma Cells
Jing Yang, Yuelin Xu, Cheng Zhu, M. Kelly Hagan, Thomas Lawley, and Margaret K. Offermann
- 375 Author Index
- 376 Erratum
- 377 Information for Contributors
- 379 Submission Form
- 380 Membership Form