



Engineered Reporter Cell Lines
See-through immune signaling pathways

InVivoGen



157 (3)

J Immunol 1996; 157:969-1321; ;
<http://www.jimmunol.org/content/157/3.citation>

This information is current as
of October 29, 2020.

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.



TABLE OF CONTENTS

CUTTING EDGE

- 969 Identification Through Bioinformatics of cDNAs Encoding Human Thymic Shared Ag-1/Stem Cell Ag-2: A New Member of the Human Ly-6 Family
Myriam C. Capone, Daniel M. Gorman, Edwin P. Ching, and Albert Zlotnik
- 974 HIV-1-Tat Protein Promotes Chemotaxis and Invasive Behavior by Monocytes
Robert M. Lafrenie, Larry M. Wahl, Jay S. Epstein, Indira K. Hewlett, Kenneth M. Yamada, and Subhash Dhawan
- 978 CD8⁺ T Cell-Mediated Spontaneous Diabetes in Neonatal Mice
David J. Morgan, Roland Liblau, Bernadette Scott, Shonna Fleck, Hugh O. McDevitt, Nora Sarvetnick, David Lo, and Linda A. Sherman

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

- 985 Chemokine Expression by Intraepithelial $\gamma\delta$ T Cells: Implications for the Recruitment of Inflammatory Cells to Damaged Epithelia
Richard Boismenu, Lili Feng, Yi Y. Xia, Jennie C. C. Chang, and Wendy L. Havran
- 993 Ligation of MHC Class I Molecules on Peripheral Blood T Lymphocytes Induces New Phenotypes and Functions
Søren Bregenholt, Mads Röpke, Søren Skov, and Mogens H. Claesson
- 1000 CTL Recognition of an Altered Peptide Associated with Asparagine Bond Rearrangement: Implications for Immunity and Vaccine Design
Weisan Chen, Nicholas J. Ede, David C. Jackson, James McCluskey, and Anthony W. Purcell
- 1006 Cellular and Molecular Factors That Regulate the Differentiation and Apoptosis of Germinal Center B Cells: Anti-Ig Down-Regulates Fas Expression on CD40 Ligand-Stimulated Germinal Center B Cells and Inhibits Fas-Mediated Apoptosis
Jongseon Choe, Han-Soo Kim, Xinhong Zhang, Richard J. Armitage, and Yong Sung Choi

- 1017 Targeting Signal and Subcellular Compartments Involved in the Intracellular Trafficking of HLA-DMB
John Copier, Monique J. Kleijmeer, Sreenivasan Ponnambalam, Viola Oorschot, Paul Potter, John Trowsdale, and Adrian Kelly
- 1028 Activation of Murine Lymphocytes by Lipopolysaccharide Incorporated in Fusogenic, Reconstituted Influenza Virus Envelopes (Virosomes)
Jan Dijkstra, Romke Bron, Jan Wilschut, Aalzen de Haan, and John L. Ryan
- 1037 T Cell Recognition and Tolerance of Antibody Diversity
Margaret C. Eyerman, Xianghua Zhang, and Lawrence J. Wysocki
- 1047 Different CD40-Mediated Signaling Events Require Distinct CD40 Structural Features
Bruce S. Hostager, Yina Hsing, Dan E. Harms, and Gail A. Bishop
- 1054 *bcl-2* Alters the Antigen-Driven Selection of B Cells in $\mu\kappa$ but Not in μ -Only Xid Transgenic Mice
James J. Kenny, Randy T. Fischer, Ana Lustig, Howard Dintzis, Makoto Katsumata, John C. Reed, and Dan L. Longo
- 1062 Anergy-Associated T Cell Antigen Presentation: A Mechanism of Infectious Tolerance in Experimental Autoimmune Encephalomyelitis
Mark D. Mannie, Steven K. Rendall, Paula Y. Arnold, John P. Nardella, and Gregory A. White
- 1071 Cross-Reactivity of T Cell Lines and Clones to β -Lactam Antibiotics
Daniela Mauri-Hellweg, Martin Zanni, Elisabeth Frei, Florence Bettens, Christian Brander, Davide Mauri, Elisabetta Padovan, Hans-Ulrich Weltzien, and Werner J. Pichler
- 1080 Cyclic Adenosine 3',5'-Monophosphate Increases the Open Probability of Potassium Channels in Activated Human T Cells
Dorothy R. Oleson, Louis J. DeFelice, Malynda F. Quinn, and Robert M. Donahoe
- 1087 Thymocyte Cell Fate Alteration by High Levels of CD8 α Is Independent of CD8-*lck* Association
Deborah H. Smith, Nancy Lee, and Elizabeth Lacy
- 1096 Lymphocyte Migration in L-Selectin-Deficient Mice: Altered Subset Migration and Aging of the Immune System
Douglas A. Steeber, Nathan E. Green, Shinichi Sato, and Thomas F. Tedder
- 1107 Activation of the Na⁺/H⁺ Antiporter, Na⁺/HCO₃⁻/CO₃²⁻ Cotransporter, or Cl⁻/HCO₃⁻ Exchanger in Spontaneous Thymocyte Apoptosis
Nina Tsao and Huan-Yao Lei
- 1117 Nonsecretory Apoptotic Killing by Human NK Cells
Nikola L. Vujanovic, Shigeki Nagashima, Ronald B. Herberman, and Theresa L. Whiteside
- 1127 IL-12 Induces Human T Cells Secreting IL-10 with IFN- γ
Anja Windhagen, David E. Anderson, Ana Carrizosa, Rebecca E. Williams, and David A. Hafler

- 1132 Transduction of Specific Inhibition of HuT 78 Human T Cell Chemotaxis by Type I Vasoactive Intestinal Peptide Receptors
Menghang Xia, Gary O. Gaufo, Qi Wang, Sunil P. Sreedharan, and Edward J. Goetzl

MOLECULAR AND STRUCTURAL IMMUNOLOGY

- 1139 Identification of a Novel Regulatory Region Critical for Expression of the RANTES Chemokine in Activated T Lymphocytes
Peter J. Nelson, Benjamin D. Ortiz, James M. Pattison, and Alan M. Krensky
- 1149 Differential Regulation of c-Rel Translocation in Activated B and T Cells
Lakshmi Venkataraman, Weihong Wang, and Ranjan Sen
- 1156 Chicken Monoclonal Antibody Isolated by a Phage Display System
Hachiro I. Yamanaka, Tomomi Inoue, and Otomi Ikeda-Tanaka

HOST DEFENSE

- 1163 The Presentation of Class I and Class II Epitopes of Listeriolysin O Is Regulated by Intracellular Localization and by Intercellular Spread of *Listeria monocytogenes*
Elizabeth M. Hiltbold, Susan A. Safley, and H. Kirk Ziegler
- 1176 Genetic Regulation of Protective Immune Response in Congenic Strains of Mice Vaccinated with a Subunit Malaria Vaccine
Jing-Hui Tian, Louis H. Miller, David C. Kaslow, Jeffery Ahlers, Michael F. Good, David W. Alling, Jay A. Berzofsky, and Sanjai Kumar

INFLAMMATION

- 1184 Soluble Fc γ Receptor Type III (Fc γ RIII, CD16) Triggers Cell Activation Through Interaction with Complement Receptors
Jérôme Galon, Jean-François Gauchat, Noëlle Mazières, Roberto Spagnoli, Walter Storkus, Michael Lötze, Jean-Yves Bonnefoy, Wolf-Herman Fridman, and Catherine Sautès
- 1193 TNF- α Bidirectionally Modulates the Viability of Primitive Murine Hematopoietic Progenitor Cells In Vitro
Frede W. Jacobsen, Ole P. Veiby, Trond Stokke, and Sten E. W. Jacobsen
- 1200 Complement Activation by a B Cell Superantigen
Lisa M. Kozlowski, Athena M. Soulika, Gregg J. Silverman, John D. Lambris, and Arnold I. Levinson
- 1207 The Production of Macrophage Inflammatory Protein-1 α by Human Basophils
Huamin Li, Tommy C. Sim, J. Andrew Grant, and Rafeul Alam
- 1213 β -Amyloid (25–35) Peptide and IFN- γ Synergistically Induce the Production of the Chemotactic Cytokine MCP-1/JE in Monocytes and Microglial Cells
Lucia Meda, Sergio Bernasconi, Corrada Bonaiuto, Silvano Sozzani, Dan Zhou, Laszlo Otvos, Jr., Alberto Mantovani, Filippo Rossi, and Marco A. Cassatella
- 1219 Eosinophil Granule Proteins Activate Human Heart Mast Cells
Vincenzo Patella, Gennaro de Crescenzo, Isabella Marinò, Arturo Genovese, Monika Adt, Gerald J. Gleich, and Gianni Marone

- 1226 Rapid Dephosphorylation of the GTPase Dynamin After FcεRI Aggregation in a Rat Mast Cell Line
C. E. Pullar, B. Repetto, and A. M. Gilfillan
- 1233 Inhibition of Platelet Endothelial Cell Adhesion Molecule-1 Synthesis and Leukocyte Transmigration in Endothelial Cells by the Combined Action of TNF-α and IFN-γ
Yves Rival, Aldo Del Maschio, Marie-Josèphe Rabiet, Elisabetta Dejana, and Alain Duperray
- 1242 Substitution of Two Amino Acids Confers C3b Binding to the C4b Binding Site of CR1 (CD35): Analysis Based on Ligand Binding by Chimpanzee Erythrocyte Complement Receptor
Varagur Bala Subramanian, Liliana Clemenza, Malgorzata Krych, and John P. Atkinson

CLINICAL IMMUNOLOGY

- 1250 Donor-Specific Blood Transfusion-Induced Tolerance in Adult Rats with a Dominant TCR-Vβ Rearrangement in Heart Allografts
Patrice Douillard, Christophe Pannetier, Régis Josien, Séverine Menoret, Philippe Kourilsky, Jean-Paul Soulillou, and Maria-Cristina Cuturi
- 1261 Disparate CD4⁺ Lamina Propria (LP) Lymphokine Secretion Profiles in Inflammatory Bowel Disease: Crohn's Disease LP Cells Manifest Increased Secretion of IFN-γ, Whereas Ulcerative Colitis LP Cells Manifest Increased Secretion of IL-5
Ivan J. Fuss, Markus Neurath, Monica Boirivant, John S. Klein, Carol de la Motte, Scott A. Strong, Claudio Fiocchi, and Warren Strober
- 1271 Effect of *Mycobacterium tuberculosis* on HIV Replication: Role of Immune Activation
Delia Goletti, Drew Weissman, Robert W. Jackson, Neil M. H. Graham, David Vlahov, Robert S. Klein, Sonal S. Munsiff, Luigi Ortona, Roberto Cauda, and Anthony S. Fauci
- 1279 Quantitative Thresholds of MHC Class II I-E Expressed on Hemopoietically Derived Antigen-Presenting Cells in Transgenic NOD/Lt Mice Determine Level of Diabetes Resistance and Indicate Mechanism of Protection
Matthew S. Hanson, Marina Cetkovic-Cvrlje, Vijayakumar K. Ramiya, Mark A. Atkinson, Noel K. Maclaren, Bhagirath Singh, John F. Elliott, David V. Serreze, and Edward H. Leiter
- 1288 Costimulatory Effects of T Cell Proliferation During Infection with Human T Lymphotropic Virus Types I and II Are Mediated Through CD80 and CD86 Ligands
Renu B. Lal, Donna L. Rudolph, Charlene S. Dezzutti, Peter S. Linsley, and Harry E. Prince
- 1297 Murine Glomerulotropic Monoclonal Antibodies Are Highly Oligoclonal and Exhibit Distinctive Molecular Features
James B. Lefkowitz, Richard Di Valerio, Jennifer Norris, Gary D. Glick, Audrey L. Alexander, Lydia Jackson, and Gary S. Gilkeson
- 1306 Autoimmune Sjögren's-Like Lesions in Salivary Glands of TGF-β1-Deficient Mice Are Inhibited by Adhesion-Blocking Peptides
Nancy L. McCartney-Francis, Diane E. Mizel, Robert S. Redman, Michelle Frazier-Jessen, R. Brian Panek, Ashok B. Kulkarni, Jerry M. Ward, James B. McCarthy, and Sharon M. Wahl

1313 Altered Cytokine Production and Accessory Cell Function After HIV-1 Infection

James Yoo, Houchu Chen, Thomas Kraus, David Hirsch, Steven Polyak, Italas George, and Kirk Sperber

1321 Letter to the Editor

1322 Author Index