This information is current as of January 20, 2018.

151 (7)

*J Immunol* 1993; 151:3407-3934; ;
http://www.jimmunol.org/content/151/7.citation

<table>
<thead>
<tr>
<th>Why The JI?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rapid Reviews!</strong> 30 days* from submission to initial decision</td>
</tr>
<tr>
<td><strong>No Triage!</strong> Every submission reviewed by practicing scientists</td>
</tr>
<tr>
<td><strong>Speedy Publication!</strong> 4 weeks from acceptance to publication</td>
</tr>
</tbody>
</table>

*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 7 • October 1, 1993

Cellular Immunology and Immune Regulation

3407 Intracellular Transport of Class I MHC Molecules in Antigen Processing Mutant Cell Lines
Karen S. Anderson, Jeff Alexander, Maria Wei, and Peter Cresswell

3420 Stimulation of IL-2-Activated Natural Killer Cells Through the Kp43 Surface Antigen Up-Regulates
TNF-α Production Involving the LFA-1 Integrin
José Aramburu, María A. Balboa, Antonio Rodriguez, Ignacio Melero, Miguel Alonso, José Luis Alonso, and Miguel
López-Botet

3430 Deficient Antigen Presentation by Langerhans Cells from Athymic (nu/nu) Mice: Restoration with
Thymic Transplantation or Administration of Cytokines

3440 Regulation of Hapten-Specific Memory IgE Responses Induced in Vitro: Requirement for both Thy-1+
AsGM1+ and Thy-1+ AsGM1- Cells and for IFN-γ and IL-4
Christina A. Herrick, John A. Carucci, Gary I. Kleiner, and Helen G. Durkin

3450 Selection of the T Cell Receptor Repertoire in Lpr Mice
Lynne R. Herron, Robert A. Eisenberg, Ellen Roper, Vellalore N. Kakkanaiah, Philip L. Cohen, and Brian L. Kotzin

3460 Combination IL-2 and IL-4 Reduces Glucocorticoid Receptor-Binding Affinity and T Cell Response to
Glucocorticoids
Jeffrey C. Kam, Stanley J. Szefer, Wendy Surs, Ellen R. Sher, Donald Y. M. Leung

3467 Increased Sensitivity to TNF-Mediated Cytotoxicity of BL6 Melanoma Cells After H-2K Gene
Transfection
Misoon Kim, Ronald Herberman, and Elieser Gorelik

3478 Regulation of Cγ Subclass Germ-line Transcripts in Human Peripheral Blood B Cells
Atsushi Kitani and Warren Strober

3489 Characterization of CTLA-4 Structure and Expression on Human T Cells
Tullia Lindsten, Kelvin P. Lee, Estelle S. Harris, Bronislawa Petryniak, Nancy Craighead, Pamela J. Reynolds, David B.
Lombard, Gordon J. Freeman, Lee M. Nadler, Gary S. Gray, Craig B. Thompson, and Carl H. June

3500 Murine T Helper Cell-2 Lymphocytes Express Type I and Type II IL-1 Receptors, but Only the Type I
Receptor Mediates Costimulatory Activity
David J. McKean, Raymond P. Podzorski, Michael P. Bell, Allan E. Nilson, Catherine J. Huntoon, Jennifer Slack, Steven
K. Dower, and John Sims

3511 Pathway of Signal Delivery to Murine Thymocytes Triggered by Co-Crosslinking CD3 and Thy-1 for
Cellular DNA Fragmentation and Growth Inhibition
Izumi Nakashima, Mei-Yi Pu, Michinari Hamaguchi, Takashi Iwamoto, S.M. Jamshedur Rahman, Yue-Hua Zhang,
Masashi Kato, Kozo Ohkusu, Yoshiaki Katano, Tomoaki Yoshida, Yasuhiro Koga, Ken-Ichi Isobe, and Fumihiko Nagase

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 © 1993 by The American Association of Immunologists.
Regulation of Apoptosis In Vitro in Mature Murine Spleen T Cells
Carlos E. Perandones, Vivian A. Illera, David Peckham, Laura L. Stunz, and Robert F. Ashman

Functional and Phenotypic Analysis of Thymocytes in SCID Mice: Evidence for Functional Response Transitions Before and After the SCID Arrest Point
Ellen V. Rothenberg, Dan Chen, and Rochelle A. Diamond

Apoptosis of Activated CD8+/CD57+ T Cells Is Induced by Some Combinations of Anti-CD2 mAb
Matthieu Rouleau, Alain Bernard, Olivier Lantz, Jean-Paul Vernant, Bernard Charpentier, and Anna Senik

Studies of the Adjuvant-Independent Antibody Response to Immunotargeting: Target Structure Dependence, Isotype Distribution, and Induction of Long Term Memory
Danna L. Skea and Brian H. Barber

Molecular and Structural Immunology

Differential Role of Conserved and Polymorphic Residues of the Binding Groove of MHC Class I Molecules in the Selection of Peptides
Jean-Pierre Abastado, Armanda Casrouge, and Philippe Kourilsky

Processing of Endogenously Synthesized Hen Egg-White Lysozyme Retained in the Endoplasmic Reticulum or in Secretory Form Gives Rise to a Similar but not Identical Set of Epitopes Recognized by Class I1-Restricted T Cells
By Luciano Adorini, Jean-Charles Guéry, Serge Fuchs, Vianney Ortiz-Navarrete, Günter J. Hämerling, and Frank Momborg

Heavy Chain Joining Region Segments of the Channel Catfish: Genomic Organization and Phylogenetic Implications
J. Russell Hayman, Seyed H. Ghaffari, and Craig J. Lobb

V-Region-Mediated Binding of Human Ig by Protein A
Saleh Ibrahim, Ilkka Seppälä, and Olli Mäkelä

Structural Analysis of the Vr-3-D-Jm Segments of Human Polyreactive IgG mAb: Evidence for Somatic Selection
Hideyuki Ikematsu, Marion T. Kasaian, Edward W. Schettino, and Paolo Casali

An Activation-Responsive Element in the Murine IL-4 Gene Is the Site of an Inducible DNA-Protein Interaction
David Tara, Deborah L. Weiss, and Melissa A. Brown

Characterization of the Insulin A-Chain Major Immunogenic Determinant Presented by MHC Class II I-A Molecules
Douglas B. Williams, Jim Ferguson, Jean Gariepy, Don McKay, Yen-Tung Teng, Shinji Iwasaki, and Nobumichi Hozumi

Cellular Distribution of HLA-G mRNA in Transgenic Mouse Placentas
Krishna K. Yelavarthi, Cynthia M. Schmidt, Robert G. Ehlenfeldt, Harry T. Orr, and Joan S. Hunt

Host Defense

CD45-Negative Mutants of a Rat Natural Killer Cell Line Fail to Lyse Tumor Target Cells
Gregory M. Bell, Gail M. Dethloff, and John B. Imboden
Endogenous IL-1 Receptor Antagonist Protein (IRAP) Regulates Schistosome Egg Granuloma Formation and the Regional Lymphoid Response
S. W. Chensue, M. Bienkowski, T. E. Eesala, K. S. Warmington, S. D. Hershey, N. W. Lukacs, and S. L. Kunkel

Pulmonary T Helper Lymphocytes Are CD44, CD45RB- Effector/Memory Cells in Mice Vaccinated with Attenuated Cercariae of Schistosoma mansoni
Patricia S. Coulson and R. Alan Wilson

Acute Cerebral Toxoplasmosis is Induced by In Vivo Neutralization of TNF-α and Correlates with the Down-Regulated Expression of Inducible Nitric Oxide Synthase and Other Markers of Macrophage Activation
Ricardo T. Gazzinelli, Isam Eltoum, Thomas A. Wynn, and Alan Sher

IL-6 Down-Modulates the Cytokine-Enhanced Antileishmanial Activity in Human Macrophages
Dimitrios E. Hatzigeorgiou, Suhui He, Jeremy Sobel, Kenneth H. Grabstein, Alice Hafner, and John L. Ho

Cytotoxic T Cells from Ovarian Malignant Tumors Can Recognize Polymorphic Epithelial Mucin Core Peptides
Constantin G. Ioannides, Bryan Fisk, Keith R. Jerome, Tatsuro Irimura, J. Taylor Wharton, and Olivera J. Finn

IL-4- and IL-5-Secreting Lymphocyte Populations Are Preferentially Stimulated by Parasite-Derived Antigens in Human Tissue Invasive Nematode Infections
S. Mahanty, C. L. King, V. Kumaraswami, J. Regunathan, A. Maya, K. Jayaraman, J. S. Abrams, E. A. Ottesen, and T. B. Nutman

Antigen-Reactive γδ T Cells in Human Leishmaniasis
Donna M. Russo, Richard J. Armitage, Manoel Barral-Netto, Aldina Barral, Kenneth H. Grabstein, and Steven G. Reed

Identification of Human Melanoma Peptides Recognized by Class I Restricted Tumor Infiltrating T Lymphocytes
Walter J. Storkus, Herbert J. Zeh III, Markus J. Maeurer, Russell D. Salter, and Michael T. Lotze

Immunogenicity Evaluation of a Lipidic Amino Acid-Based Synthetic Peptide Vaccine for Chlamydia trachomatis
Guangming Zhong, Istvan Toth, Ronald Reid, and Robert C. Brunham

Inflammation

The Hemopoietic Progenitor 32DC13(G) Cells Synthesize C3 Molecules and Acquire C3b Acceptor Sites upon Differentiation or Neoplastic Transformation
Livio Di Renzo, Alessandra Zicari, Agostina Longo, Massimo Realacci, Giuseppe Naso, Giuseppe Ponieri, and Marcella Lipari

Inhibition of DNA Repair with Aphidicolin Enhances Sensitivity of Targets to Tumor Necrosis Factor
Joseph F. Gera, Catherine Fady, Agnes Gardner, Fred J. Jacoby, Kenneth B. Briskin, and Alan Lichtenstein

Enhanced Production of LPS-Induced Cytokines during Differentiation of Human Monocytes to Macrophages: Role of LPS Receptors
Sandra Gessani, Ugo Testa, Barbara Varano, Paola Di Marzio, Paola Borghi, Lucia Conti, Tiziano Barberi, Elena Tritarelli, Robert Martucci, Davide Seripa, Cesare Pescele, and Filippo Belardelli

Modulation of Rat Mast Cell Reactivity by IL-1β: Divergent Effects on Nitric Oxide and Platelet-Activating Factor Release
Cory M. Hogaboam, A. Dean Befus, and John L. Wallace
IL-3-Dependent Murine Mast Cells Undergo Apoptosis on Removal of IL-3: Prevention of Apoptosis by c-kit Ligand

Yoseph A. Mekori, Chad K. Oh, and Dean D. Metcalfe

Probing the Human Receptor for C5a Anaphylatoxin with Site-Directed Antibodies: Identification of a Potential Ligand Binding Site on the NH2-Terminal Domain

Martin Oppermann, Ursula Raedt, Thomas Hebell, Bernhard Schmidt, Bodo Zimmermann, Otto Götze

Activation of Human Neutrophils Induces an Interaction Between the Integrin β2-Subunit (CD18) and the Actin Binding Protein α-Actinin

Fredrick M. Pavalko and Suzanne M. LaRoche

Regulation of Human Lung Mast Cell Function by Phosphatase Inhibitors

Peter T. Peachell and Michael R. Munday

Co-Clustering of β1 Integrins, Cytoskeletal Proteins, and Tyrosine-Phosphorylated Substrates during Integrin-Mediated Leukocyte Aggregation

Paloma Sánchez-Mateos, Miguel R. Campanero, María A. Balboa, and Francisco Sánchez-Madrid

Lipopolysaccharide-Induced Protein Tyrosine Phosphorylation in Human Macrophages Is Mediated by CD14

Steven L. Weinstein, Carl H. June, and Anthony L. DeFranco

Clinical Immunology

Mapping Studies Reveal Unique Epitopes on IgG Recognized By Rheumatoid Arthritis-Derived Monoclonal Rheumatoid Factors

Vincent R. Bonagura, Steven E. Artandi, Anne Davidson, Ingrid Randen, Nicodemo Agostino, Keith Thompson, Jacob B. Natvig, and Sherie L. Morrison

Immunolocalization of Cytokines in the Nasal Mucosa of Normal and Perennial Rhinitic Subjects: The Mast Cell as a Source of IL-4, IL-5, and IL-6 in Human Allergic Mucosal Inflammation

Peter Bradding, Iain H. Feather, Susan Wilson, Philip G. Bardin, Christoph H. Heusser, Stephen T. Holgate, and Peter H. Howarth

Splenic Uptake of Immune Complexes in Man Is Complement-Dependent

Kevin A. Davies, Kristian Erlendsson, How L.C. Beynon, A. Michael Peters, Kristian Steinsson, Helgi Valdimarsson, and Mark J. Walport

Characterization of MHC Class I Restricted Cytotoxic T Cell Responses to Tax in HTLV-1 Infected Patients With Neurologic Disease


IL-2 Receptor-Positive Intrathyroidal Lymphocytes in Graves’ Disease: Analysis of Vα Transcript Microheterogeneity

Richard S. McIntosh, Nikhil Tandon, A. Paul Pickerill, Rose Davies, David Barnett, and Anthony P. Weetman

Specific Antibody Production to a Recall or a Neoantigen by SCID Mice Reconstituted with Human Peripheral Blood Lymphocytes

Shigeaki Nonoyama, Franklin O. Smith, and Hans D. Ochs

A Subset of Mouse Monoclonal Antibodies Cross- Reactive with Cytoskeletal Proteins and Group A Streptococcal M Proteins Recognizes N-acetyl-β-D-glucosamine

Alexander R. Shikhman, Neil S. Greenspan, and Madeleine W. Cunningham
T Cell-Antigen-Presenting Cell Interactions in Human Systemic Lupus Erythematosus: Evidence for Heterogeneous Expression of Multiple Defects

Charles S. Via, George C. Tsokos, Bonnie Bemis, Mario Clerici, and Gene M. Shearer

Xenogeneic Thyroid-Stimulating Hormone-Like Activity of the Human Natural Anti-Gal Antibody: Interaction of Anti-Gal with Porcine Thyrocytes and with Recombinant Human Thyroid-Stimulating Hormone Receptors Expressed on Mouse Cells

Roger J. Winand, Fari Anaraki, Jacqueline Etienne-Decerf, and Uri Galili

Author Index

Information for Contributors

Submission Form

Membership Form