This information is current as of May 1, 2017.

156 (2)

J Immunol 1996; 156:421-879; ;
http://www.jimmunol.org/content/156/2.citation

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
TABLE OF CONTENTS

CUTTING EDGE

421 Commentary: The Immunologic Properties of DNA
David S. Pisetsky

424 Polymorphic Nucleotides Within the Human IL-4 Promoter That Mediate Overexpression of the Gene
Zhimin Song, Vincenzo Casolaro, Rongbing Chen, Steve N. Georas, Dimitris Monos, and Santa Jeremy Ono

430 LPS Induces CD14 Association with Complement Receptor Type 3, Which Is Reversed by Neutrophil Adhesion
Dianna M. Zarewych, Andrei L. Kindelskii, Robert F. Todd III, and Howard R. Petty

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

435 An Alternative Splice Variant of Human IL-4, IL-482, Inhibits IL-4-Stimulated T Cell Proliferation
Sergei P. Atamas, Jung Choi, Vladimir V. Yurovsky, and Barbara White

442 Structure and Expression of Murine CD30 and Its Role in Cytokine Production
Michael A. Bowen, Richard K. Lee, Giovanna Miragliotta, Sang Yun Nam, and Eckhard R. Podack

450 The Class II MHC I-Aβ7 Molecules from Non-Obese Diabetic Mice Are Poor Peptide Binders
Eugenio Carrasco-Marin, Jun Shimizu, Osamu Kanagawa, and Emil R. Unanue

459 Fas- and Activation-Induced Apoptosis Are Reduced in Human T Cells Preactivated in the Presence of TGF-β1
Adelheid Cerwenka, Heinrich Kovar, Otto Majdic, and Wolfgang Holter

465 B7-1 but Not B7-2 Efficiently Costimulates CD8+ T Lymphocytes in the P815 Tumor System In Vitro
Thomas F. Gajewski
a-Melanocyte-Stimulating Hormone Induces Hapten-Specific Tolerance in Mice
Stephan Grabbe, Ranjit S. Bhardwaj, Karsten Mahnke, Manuel M. Simon, Thomas Schwarz, and Thomas A. Luger

Reduction of Early B Lymphocyte Precursors in Transgenic Mice Overexpressing the Murine Heat-Stable Antigen
Margaret R. Hough, M. Suzanne Chappel, Guy Sauvageau, Fumio Takei, Robert Kay, and R. Keith Humphries

flk2/fl3 Ligand Is a Potent Cofactor for the Growth of Primitive B Cell Progenitors
Brisdell E. Hunte, Susan Hudak, Dave Campbell, Yuming Xu, and Donna Rennick

Activation of Type I Protein Kinase A During Receptor-Mediated Human T Lymphocyte Activation
Dama Laxminarayana and Gary M. Kammer

A Dual Role for Both CD40-Ligand and TNF-α in Controlling Human B Cell Death
Susanne M. A. Lens, Kiki Tesselaar, Bianca F. A. den Drijver, Martinus H. J. van Oers, and René A. W. van Lier

IL-2 Rescues Antigen-Specific T Cells from Radiation or Dexamethasone-Induced Apoptosis: Correlation with Induction of Bcl-2
Felix Mor and Irun R. Cohen

Selective Activation-Induced Apoptosis of Peripheral T Cells Imposed by Macrophages: A Potential Mechanism of Antigen-Specific Peripheral Lymphocyte Deletion

Ubiquitin-Like Moiety of the Monoclonal Nonspecific Suppressor Factor β Is Responsible for Its Activity
Morihiko Nakamura, Ricardo M. Xavier, and Yoshinori Tanigawa

Regulation of the Catalytic Subunit (p34^cdk4) for the Major D-Type Cyclin in Mature B Lymphocytes
Debra A. Tanguay and Thomas C. Chiles

pim-1 Proto-Oncogene Expression in Anti-CD3-Mediated T Cell Activation Is Associated with Protein Kinase C Activation and Is Independent of Raf-1
Denise Wingett, Aideen Long, Dermot Kelleher, and Nancy S. Magnuson

IFN-γ Promotes IL-6 and IgM Secretion in Response to CpG Motifs in Bacterial DNA and Oligodeoxynucleotides
Ae-Kyung Yi, Jacqueline H. Chace, John S. Cowdery, and Arthur M. Krieg

Endoglin Is a Component of the Transforming Growth Factor (TGF)-β Receptor Complex of Human Pre-B Leukemic Cells
Hongwei Zhang, Andrew R. E. Shaw, Allan Mak, and Michelle Letarte
Molecular and Structural Immunology

574  Functional Dissociation of CD8α’s Ig Homologue and Connecting Peptide Domains

585  The Ikaros Gene Encodes a Family of Lymphocyte-Restricted Zinc Finger DNA Binding Proteins, Highly Conserved in Human and Mouse
Arpad Molnar, Paul Wu, David A. Largespada, Andrea Vortkamp, Steve Scherer, Neal G. Copeland, Nancy A. Jenkins, Gail Bruns, and Katia Georgopoulos

593  Sea Urchin Genes Expressed in Activated Coelomocytes Are Identified by Expressed Sequence Tags: Complement Homologues and Other Putative Immune Response Genes Suggest Immune System Homology Within the Deuterostomes
L. Courtney Smith, Lily Chang, Roy J. Britten, and Eric H. Davidson

603  Quantitative Analysis of the Expression of the HLA-DRB Genes at the Transcriptional Level by Competitive Polymerase Chain Reaction
Rachel Vincent, Pascale Louis, Céline Gongora, Iris Papa, Jacques Clot, and Jean-François Eliaou

611  A Powerful New Technique for Isolating Genes Encoding Cell Surface Antigens Using Retroviral Expression Cloning
Andrew C. W. Zannettino, John R. Rayner, Leonie K. Ashman, Thomas J. Gonda, and Paul J. Simmons

Host Defense

621  Rhinovirus Enters but Does Not Replicate Inside Monocytes and Airway Macrophages
James E. Gern, Elliot C. Dick, Wai Ming Lee, Susan Murray, Keith Meyer, Zeev T. Handzel, and William W. Busse

628  Down-Regulation of T Lymphocyte Activation In Vitro and In Vivo Induced by Glycoinositolphospholipids from Trypanosoma cruzi: Assignment of the T Cell-Suppressive Determinant to the Ceramide Domain
Nitza A. Gomes, José Osvaldo Previato, Bianca Zingales, Lúcia Mendonça-Previato, and George A. DosReis

636  Production of Nitric Oxide (NO) Is Not Essential for Protection Against Acute Toxoplasma gondii Infection in IRF-1-/- Mice
Imtiaz A. Khan, Tadashi Matsuura, Sujeewa Fonseka, and Lloyd H. Kasper

644  Pregnancy Impairs Resistance of C57BL/6 Mice to Leishmania major Infection and Causes Decreased Antigen-Specific IFN-γ Responses and Increased Production of T Helper 2 Cytokines
Lakshmi Krishnan, Larry J. Guilbert, Anthony S. Russell, Thomas G. Wegmann, Tim R. Mosmann, and Miodrag Belosevic

653  T Helper 1 Response Against Leishmania major in Pregnant C57BL/6 Mice Increases Implantation Failure and Fetal Resorptions: Correlation with Increased IFN-γ and TNF and Reduced IL-10 Production by Placental Cells
Lakshmi Krishnan, Larry J. Guilbert, Thomas G. Wegmann, Miodrag Belosevic, and Tim R. Mosmann
IL-15 Is a Novel Growth Factor for Murine γδ T Cells Induced by Salmonella Infection
Hitoshi Nishimura, Kenji Hiromatsu, Noritada Kobayashi, Kenneth H. Grabstein, Raymond Paxton, Kazuo Sugamura, Jeffrey A. Bluestone, and Yasunobu Yoshikai

Effects of Mycoplasma fermentans on the Myelomonocytic Lineage: Different Molecular Entities with Cytokine-Inducing and Cytocidal Potential
George Rawadi, Sergio Roman-Roman, Maria Castedo, Véronique Dutilleul, Santos Susin, Philippe Marchetti, Maurice Geuskens, and Guido Kroemer

Listeria monocytogenes Induces Apoptosis of Infected Hepatocytes
Howard W. Rogers, Mark P. Callery, Brian Deck, and Emil R. Unanue

Two Listeria monocytogenes CTL Epitopes Are Processed from the Same Antigen with Different Efficiencies
Alice J. A. M. Sijts, Anne Neisig, Jacques Neefjes, and Eric G. Pamer

Cytokine and Chemokine Expression in Tumors of Mice Receiving Systemic Therapy with IL-12
Charles S. Tannenbaum, Nancy Wicker, David Armstrong, Raymond Tubbs, James Finke, Ronald M. Bukowski, and Thomas A. Hamilton

Antigen-Specific Tumor Vaccines: Development and Characterization of Recombinant Adenoviruses Encoding MART1 or gp100 for Cancer Therapy
Yifan Zhai, James C. Yang, Yutaka Kawakami, Paul Spiess, Samuel C. Wadsworth, Lisa M. Cardoza, Larry A. Couture, Alan E. Smith, and Steven A. Rosenberg

INFLAMMATION

IL-5 Activates a 45-Kilodalton Mitogen-Activated Protein (MAP) Kinase and Jak-2 Tyrosine Kinase in Human Eosinophils
Mary E. Bates, Paul J. Bertics, and William W. Busse

Structural Requirements for Mucosal Vascular Addressin Binding to Its Lymphocyte Receptor α4β7: Common Themes Among Integrin-Ig Family Interactions
Michael J. Briskin, Lusijah Rott, and Eugene C. Butcher

Human CD38 Ligand: A 120-KDA Protein Predominantly Expressed on Endothelial Cells
Silvia Deaglio, Umberto Dianzani, Alberto L. Horenstein, Juan Emilio Fernandez, Cees van Kooten, Manuela Bragardo, Ada Funaro, Giovanni Garbarino, Francesco Di Virgilio, Jacques Banchereau, and Fabio Malavasi

Induction and Regulation of IL-15 Expression in Murine Macrophages
T. Mark Doherty, Robert A. Seder, and Alan Sher

β-Chemokine TCA3 Binds to Mesangial Cells and Induces Adhesion, Chemotaxis, and Proliferation
Yi Luo and Martin E. Dorf
Regulation of Complement Activity by Immunoglobulin: I. Effect of Immunoglobulin Isotype on C4 Uptake on Antibody-Sensitized Sheep Erythrocytes and Solid Phase Immune Complexes
Vojislav D. Miletic, C. Garren Hester, and Michael M. Frank

IL-13 and IL-4 Inhibit Bone Resorption by Suppressing Cyclooxygenase-2-Dependent Prostaglandin Synthesis in Osteoblasts
Yoshiko Onoe, Chisato Miyaura, Tamotsu Kaminakayashiki, Yumiko Nagai, Keiko Noguchi, Qing-Rong Chen, Hisakatsu Seo, Hiroaki Ohta, Shiro Nozawa, Ichiro Kudo, and Tatsuo Suda

Thioredoxin as a Potent Costimulus of Cytokine Expression
Heike Schenk, Markus Vogl, Wulf Dröge, and Klaus Schulze-Osthoff

Cellular Detachment and Deformation Induce IL-8 Gene Expression in Human Bronchial Epithelial Cells
Yoko Shibata, Hidenori Nakamura, Shuichi Kato, and Hitonobu Tomoiike

Modulation of Endotoxin-Induced Histamine Synthesis by Cytokines in Mouse Bone Marrow-Derived Macrophages
Shinji Takamatsu, Izumi Nakashima, and Kiwao Nakano

Signaling by Hemolytically Inactive C5b67, an Agonist of Polymorphonuclear Leukocytes
Ce Wang, Norma P. Gerard, and Anne Nicholson-Weller

CLINICAL IMMUNOLOGY

T Cells, but Not Thymic Exposure to HLA-B27, Are Required for the Inflammatory Disease of HLA-B27 Transgenic Rats
Maxime Breban, J. Luis Fernández-Sueiro, James A. Richardson, R. R. Hadavand, Shanna D. Maika, Robert E. Hammer, and Joel D. Taurog

Self-Reactive Cytotoxic γδ T Lymphocytes in Graves’ Disease Specifically Recognize Thyroid Epithelial Cells
Marta Catalfamo, Carme Roura-Mir, Mireia Sospedra, Pedro Aparicio, Sabine Costagliola, Marian Ludgate, Ricardo Pujol-Borrell, and Dolores Jaraquemada

MHC Genes Modify Systemic Autoimmune Disease: The Role of the I-E Locus
Elizabeth A. Creech, Danièle Nakul-Aquarone, Elizabeth A. Reap, Robert L. Cheek, P. Anne Wolthusen, Philip L. Cohen, and Robert A. Eisenberg

Glutamic Acid Decarboxylase Autoantibodies in Stiff-Man Syndrome and Insulin-Dependent Diabetes Mellitus Exhibit Similarities and Differences in Epitope Recognition
Kendra Daw, Noriko Ujihara, Mark Atkinson, and Alvin C. Powers

CD4-Imitating Human Antibodies in HIV Infection and Anti-Idiotype Vaccination
Peter Markus Deckert, Mathias Ballmaier, Sabine Lang, Helmuth Deicher, and Ingolf Schedel
Class I-Restricted Presentation of an HIV-1 gp41 Epitope Containing an N-Linked Glycosylation Site: Implications for the Mechanism of Processing of Viral Envelope Proteins
Robert L. Ferris, Christopher Buck, Scott A. Hammond, Amina S. Woods, Robert J. Cotter, Masafumi Takiguchi, Yasuhiro Igarashi, Yoshitaka Ichikawa, and Robert F. Siliciano

IL-10 Cooperates with TNF-α to Activate HIV-1 from Latently and Acutely Infected Cells of Monocyte/Macrophage Lineage
Alison Finnegan, Kenneth A. Roebuck, Brian E. Nakai, De Sheng Gu, Mohammed F. Rabbi, Seng Song, and Alan L. Landay

Oligoclonality of Vβ3 TCR Chains in the CD8+ T Cell Population of Rheumatoid Arthritis Patients
Ravi Hingorani, Joanita Monteiro, Richard Furie, Elliot Chartash, Cristina Navarrete, Robert Pergolizzi, and Peter K. Gregersen

An Antibody That Binds Domain 1 of CD4 Inhibits Replication of HIV-1, but Not HTLV-I, in a CD4-positive/p56lck-negative HTLV-I-Transformed Cell Line
Isabelle Lemasson, Laurence Briant, Bishop Hague, Nolwenn Coudronnière, Lisa Heron, Claudine David, Cosette Rebouissou, Thomas Kindt, and Christian Devaux

B Cells Are Generated Throughout Life in Humans
Cesar Nuñez, Norihiro Nishimoto, G. Larry Gartland, Linda G. Billips, Peter D. Burrows, Hiromi Kubagawa, and Max D. Cooper

Adjuvant-Free hsp70 Fusion Protein System Elicits Humoral and Cellular Immune Responses to HIV-1 p24
Kimiko Suzue and Richard A. Young

Author Index