155 (7)

J Immunol 1995; 155:3281-3699; ;
http://www.jimmunol.org/content/155/7.citation

This information is current as of April 30, 2017.

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

3281 Commentary: Antigen and Fc Receptor Signaling: The Awesome Power of the Immunoreceptor Tyrosine-Based Activation Motif (ITAM)
   John C. Cambier

3286 Commentary: Structure of Human Phagocyte Cytochrome b and Its Relationship to Microbicidal Superoxide Production
   Algirdas J. Jesaitis

3289 Commentary: Regulation of Apoptosis in Neutrophils—Fas Track to Death?
   W. Conrad Liles and Seymour J. Klebanoff

3292 Migration of Dendritic Cells in Response to Formyl Peptides, C5a, and a Distinct Set of Chemokines
   Silvano Sozzani, Federica Saltustio, Walter Luini, Dan Zhou, Lorenzo Piemonti, Paola Allavena, Jo Van Damme, Salvatore Valitutti, Antonio Lanzavecchia, and Alberto Mantovani

### CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

3297 Differential Activation of a Calcium-Dependent Endonuclease in Human B Lymphocytes: Role in Ionomycin-Induced Apoptosis
   Kjersti M. Aagaard-Tillery and Diane F. Jelinek

3308 Incomplete T Cell Receptor Vβ Allelic Exclusion and Dual Vβ-Expressing Cells
   Dimitrios Balomenos, Robert S. Balderas, Kenneth P. Mulvany, Jonathan Kaye, Dwight H. Kono, and Argyrios N. Theofilopoulos

3313 Exogenous Hepatitis B Surface Antigen Particles Processed by Dendritic Cells or Macrophages Prime Murine MHC Class I-Restricted Cytotoxic T Lymphocytes In Vivo
   Waltraud Böhm, Reinhold Schirmbeck, Adelheid Elbe, Karl Melber, Dvorah Diminky, Geory Kraal, Nico van Rootijen, Yechezkel Barenholz, and Jörg Reimann
Regulation by Corticosteroids of Th1 and Th2 Cytokine Production in Human CD4+ Effector T Cells Generated from CD45RO− and CD45RO+ Subsets
Volker Brinkmann and Colette Kristojc

Opposing Roles of CD95 (Fas/APO-1) and CD40 in the Death and Rescue of Human Low Density Tonsillar B Cells
Aileen M. Cleary, Sarah M. Fortune, Michael J. Yellin, Leonard Chess, and Seth Lederman

Extrathymic Maturation of αβ T Cells from Hemopoietic Stem Cells
Sussan Dejbakhsh-Jones, Libuse Jerabek, Irving L. Weissman, and Samuel Strober

Human Follicular Dendritic Cells Enhance Cytokine-Dependent Growth and Differentiation of CD40-Activated B Cells
Gérard Grouard, Odette de Bouteiller, Jacques Banchereau, and Yong-Jun Liu

Characterization of Cyclic Adenosine Diphosphate-Ribose-Induced Ca2+ Release in T Lymphocyte Cell Lines
Andreas H. Guse, Cristina P. da Silva, Frank Emmrich, Gloria A. Ashamu, Barry V. L. Potter, and Georg W. Mayr

Potential Role of 4-1BB in T Cell Activation: Comparison with the Costimulatory Molecule CD28
José C. Hurtado, Seung H. Kim, Karen E. Pollok, Zang H. Lee, and Byoung S. Kwon

Ig Domains 1 and 2 of Murine CD22 Constitute the Ligand-Binding Domain and Bind Multiple Sialylated Ligands Expressed on B and T Cells
Che-Leung Law, Alejandro Aruffo, Karen A. Chandran, Raymond T. Doty, and Edward A. Clark

Ig VH Hypermutation Is Absent in the Germinal Centers of Aged Mice
Carla Miller and Garnett Kelsoe

Human B Cell Activation: Effect of T Cell Cytokines on the Physicochemical Binding Requirements for Achieving Cell Cycle Progression Via the Membrane IgM Signaling Pathway
Patricia K. A. Mongini, Patricia F. Highet, and John K. Inman

Control of the IL-2 Responsiveness of B Lymphocytes by IL-2 and IL-4
J. L. Moreau, P. Chastagner, T. Tanaka, M. Miyasaka, M. Kondo, K. Sugamura, and J. Thèze

Estrogen Suppresses Stromal Cell-Dependent Lymphopoiesis in Culture
Glennda Smithson, Kay Medina, Ian Ponting, and Paul W. Kincade

Rapamycin Inhibits Ribosomal Protein Synthesis and Induces G1 Prolongation in Mitogen-Activated T Lymphocytes
Naohiro Terada, Kozo Takase, Philip Pepst, Angus C. Nairn, and Erwin W. Gelfand

Secondary Response to Listeria Infection Requires IFN-γ but Is Partially Independent of IL-12
Catherine S. Tripp, Osami Kanagawa, and Emil R. Unanue
IL-1β Converting Enzyme (ICE) Is Not Required for Apoptosis Induced by Lymphokine Deprivation in an IL-2-Dependent T Cell Line

John P. Vasilakos, Tariq Ghayur, Richard T. Carroll, David A. Giegel, James M. Saunders, Lucia Quintal, Karen M. Keane, and Brenda D. Shivers

Distinct Phenotypes of Antigen-Selected CD8 T Cells Emerge at Different Stages of an In Vivo Immune Response

Paul R. Walker, Toshiaki Ohteki, J. Alejandro Lopez, H. Robson MacDonald, and Janet L. Maryanski

Radiation-Induced Apoptosis Is Differentially Regulated in Primary B Cells from Normal Mice and Mice with the CBA/N X-Linked Immunodeficiency


Down-Regulation of CD8 on Mature Antigen-Reactive T Cells as a Mechanism of Peripheral Tolerance

Li Zhang, Waiping Fung-Leung, and Richard G. Miller

MOLECULAR AND STRUCTURAL IMMUNOLOGY

IFN-γ Induces a p91/Stat1α-Related Transcription Factor with Distinct Activation and Binding Properties

Nanette B. Guyer, Christopher W. Severns, Philip Wong, Carol A. Feghali, and Timothy M. Wright

Polymorphism at Position Nine of the MHC Class I Heavy Chain Affects the Stability of Association with β2-Microglobulin and Presentation of a Viral Peptide

Randall K. Ribaudo and David H. Margulies

HOST DEFENSE

Lethal Shock Is Inducible by Lipopolysaccharide But Not by Superantigen in Mice with Retrovirus-Induced Immunodeficiency Syndrome

Yoshiyasu Aoki, Kenji Hiromatsu, Toshiyuki Arai, Jun Usami, Masahiko Makino, Hiroshi Ishida, and Yasunobu Yoshikai

Sand Fly Vector Saliva Selectively Modulates Macrophage Functions That Inhibit Killing of Leishmania major and Nitric Oxide Production

Laurie R. Hall and Richard G. Titus

Down-Regulation of the Afferent Phase of T Cell-Mediated Pulmonary Inflammation and Immunity by a High Melanin-Producing Strain of Cryptococcus neoformans

Gary B. Huffnagle, Guo-Hsiao Chen, Jeffrey L. Curtis, Roderick A. McDonald, Robert M. Strieter, and Galen B. Toews

Defective Regional Immunity in the Respiratory Tract of Neonates Is Attributable to Hyporesponsiveness of Local Dendritic Cells to Activation Signals

Delia J. Nelson and Patrick G. Holt

CD40 Ligand Is Required for Resolution of Pneumocystis carinii Pneumonia in Mice

J. A. Wiley and A. G. Harmsen
Metabolic Requirements for Induction of Contact Hypersensitivity to Immunotoxic Polyaromatic Hydrocarbons
Cathy Anderson, Amy Hehr, Rosemary Robbins, Rahil Hasan, Mohammed Athar, Hasan Mukhtar, and Craig A. Elmets

Selective Inhibition of E-Selectin, Vascular Cell Adhesion Molecule-1, and Intercellular Adhesion Molecule-1 Expression by Inhibitors of IkB-\(\alpha\) Phosphorylation
Cecil C. Chen, Craig L. Rosenbloom, Donald C. Anderson, and Anthony M. Manning

In Vivo Regulation of Macrophage IL-12 Production During Type 1 and Type 2 Cytokine-Mediated Granuloma Formation
Stephen W. Chensue, Jeffrey H. Ruth, Kelly Warmington, Pamela Lincoln, and Steven L. Kunkel

Role of the Hypothalamus-Pituitary-Adrenal Axis in the Regulation of TNF Production in Mice: Effect of Stress and Inhibition of Endogenous Glucocorticoids
Giamila Fantuzzi, Elena Di Santo, Silvano Sacco, Fabio Benigni and Pietro Ghezzi

Activation and Interaction with Protein Kinase C of a Cytoplasmic Tyrosine Kinase, Itk/Tsk/Emt, on FceRI Cross-Linking on Mast Cells
Yuko Kawakami, Libo Yao, Mari Tashiro, Spencer Gibson, Gordon B. Mills, and Toshiaki Kawakami

The Actin-Binding Protein, Lymphocyte-Specific Protein 1, Is Expressed in Human Leukocytes and Human Myeloid and Lymphoid Cell Lines
Yao Li, Antonio Guerrero, and Thomas H. Howard

Superantigen-Induced Collagenase Gene Expression in Human IFN-\(\gamma\)-Treated Fibroblast-Like Synoviocytes Involves Prostaglandin E\(_2\): Evidence for a Role of Cyclooxygenase-2 and Cytosolic Phospholipase A\(_2\)
Khalil Mehindate, Reem Al-Daccak, Jean-Michel Dayer, Brian P. Kennedy, Chadee Kris, Pierre Borgeat, Patrice E. Poubelle, and Walid Mourad

Characterization of Intercellular Adhesion Molecule-1 Ectodomain (sICAM-1) as an Inhibitor of Lymphocyte Function-Associated Molecule-1 Interaction with ICAM-1
Debra M. Meyer, Michael L. Dustin, and Christopher P. Carron

Molecular Characterization of Fusion Regulatory Protein-1 (FRP-1) That Induces Multinucleated Giant Cell Formation of Monocytes and HIV gp160-Mediated Cell Fusion: FRP-1 and 4F2/CD98 Are Identical Molecules
Shinji Ohgimoto, Nobutada Tabata, Shigeru Suga, Machiko Nishio, Hisataka Ohta, Masato Tsurudome, Hiroshi Komada, Mitsuo Kawano, Noriko Watanabe, and Yasuhiro Ito

Two Structurally Distinct \(\kappa B\) Sequence Motifs Cooperatively Control LPS-Induced KC Gene Transcription in Mouse Macrophages
Yoshihiro Ohmori, Soji Fukumoto, and Thomas A. Hamilton
Simultaneous Cross-Linking by Two Nontriggering Bivalent Ligands Causes Synergistic Signaling of IgE FceRI Complexes. Richard G. Posner, Kala Subramanian, Byron Goldstein, James Thomas, Toni Feder, David Holowka, and Barbara Baird

A Soluble Gradient of Endogenous Monocyte Chemoattractant Protein-1 Promotes the Transendothelial Migration of Monocytes In Vitro. Gwendalyn J. Randolph and Martha B. Furie

Intercellular Adhesion Molecule-1 (CD102) Binds to the Leukocyte Integrin CD11b/CD18 Through the A Domain. Jinglin Xie, Rui Li, Pekka Kotovuori, Claudine Vermot-Desroches, John Wijdenes, M. Amin Arnaout, Pekka Nortamo, and Carl G. Gahmberg

Clinical Immunology

Structural Restriction in the Heavy Chain CDR3 of Human Rheumatoid Factors. Marie Børretzen, Ingrid Randen, Jacob B. Natvig, and Keith M. Thompson


Contribution of IL1, CD14, and CD13 in the Increased IL-6 Production Induced by In Vitro Monocyte-Synoviocyte Interactions. P. Chomarat, M. C. Rissoan, J. J. Pin, J. Banchereau, and P. Miossec

Oral Administration of an Immunodominant Human Collagen Peptide Modulates Collagen-Induced Arthritis. Sanjay D. Khare, Christopher J. Krc, Marie M. Griffiths, Harvinder S. Luthra, and Chella S. David


Anti-CD3:Anti-IL-2 Receptor-Bispecific mAb-Mediated Immunomodulation: Low Systemic Toxicity, Differential Effect on Lymphoid Tissue, and Inhibition of Cell-Mediated Hypersensitivity. James A. MacLean, Zulan Su, Robert B. Colvin, and Johnson T. Wong

Peptide-Selected T Cell Lines from Myasthenia Gravis Patients and Controls Recognize Epitopes That Are Not Processed from Whole Acetylcholine Receptor. Hidenori Matsuo, Anna-Paola Batocchi, Simon Hawke, Michael Nicolle, Leslie Jacobson, Angela Vincent, John Newsom-Davis, and Nicholas Willcox
Pathogenicity of T Cells Responsive to Diverse Cryptic Epitopes of Myelin Basic Protein in the Lewis Rat

Felix Mor and Irun R. Cohen