This information is current as of April 14, 2017.

182 (8)

J Immunol 2009; 182:4493-5152; http://www.jimmunol.org/content/182/8

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
4493 IN THIS ISSUE

LETTERS TO THE EDITOR

4495 Comment on “Reassessment of the Role of Mut S Homolog 5 in Ig Class Switch Recombination Shows Lack of Involvement in cis- and trans-Switching”
Hideharu Sekine, Ricardo C. Ferreira, Qiang Pan-Hammarström, Lennart Hammarström, Gary S. Gilkeson, and Timothy W. Behrens

4496 Response to Comment on “Reassessment of the Role of Mut S Homolog 5 in Ig Class Switch Recombination Shows Lack of Involvement in cis- and trans-Switching”
Jeroen E. J. Guikema, Carol E. Schrader, Stephen P. Baker, Winfried Edelmann, and Janet Stavnezer

4497 Comment on “Experimental Extracorporeal Photopheresis Inhibits the Sensitization and Effector Phases of Contact Hypersensitivity via Two Mechanisms: Generation of IL-10 and Induction of Regulatory T Cells”
Roberta Rizzo, Marina Stignani, Loredana Melchiorri, and Olavio R. Baricordi

BRIEF REVIEWS

4499 Myeloid-Derived Suppressor Cells: Linking Inflammation and Cancer
Suzanne Ostrand-Rosenberg and Pratima Sinha

CUTTING EDGE

4507 Cutting Edge: Lung Mucosal Th17-Mediated Responses Induce Polymeric Ig Receptor Expression by the Airway Epithelium and Elevate Secretory IgA Levels
Zeina Jaffar, Maria E. Ferrini, Lou A. Herritt, and Kevan Roberts

4512 Cutting Edge: IL-2 Immune Complexes As a Therapy for Persistent Virus Infection
Michael J. Molloy, Weijun Zhang, and Edward J. Usherwood

4516 Cutting Edge: A Critical Role of B and T Lymphocyte Attenuator in Peripheral T Cell Tolerance Induction
Xikui Liu, Maria Alexiou, Natalia Martin-Orozco, Yeonseok Chung, Roza I. Nuriieva, Li Ma, Qiang Tian, George Kollias, Sijie Lu, Daniel Graf, and Chen Dong

On the cover: Dendritic cells (DC) infected with Leishmania major are stained with Giemsa. The dark purple large mass in each DC is the host cell nucleus and smaller dots are the nuclei of intracellular L. major. DM-deficient BALB/c mice are resistant to L. major infections whereas the wild-type mice are susceptible even though the parasite can infect the wild-type and DM−/− DC in a comparable manner. Kamala, T., and N. Nanda. 2009. Protective response to Leishmania major in BALB/c mice requires antigen processing in the absence of DM. J. Immunol. 182: 4882–4890.
4521 IL-22-Dependent Attenuation of T Cell-Dependent (ConA) Hepatitis in Herpes Virus Entry Mediator Deficiency
Christian Wahl, Ursula Maria Wegenka, Frank Leithäuser, Reinhold Schirmbeck, and Jörg Reimann

4529 Early Hematopoietic Zinc Finger Protein Prevents Tumor Cell Recognition by Natural Killer Cells
Rosanna La Rocca, Mariateresa Fulciniti, Tadepally Lakshmikanth, Maria Mesuraca, Talib Hassan Ali, Valeria Mazzei, Nicola Amedio, Lucio Catalano, Bruno Rotoli, Ouashek Ouverfelli, Michele Gricco, Elio Gulletta, Heather M. Bond, Giovanni Morrone, Soldano Ferrone, and Ennio Carbone

4538 Induction of Tumor Cell Apoptosis or Necrosis by Conditional Expression of Cell Death Proteins: Analysis of Cell Death Pathways and In Vitro Immune Stimulatory Potential
Christine Lehnmann, Andreas Muschaweck, Susanne Kirschnek, Luise Jennen, Hermann Wagner, and Georg Häcker

4547 FcγRIIA and FcγRIIIB Mediate Nuclear Factor Activation through Separate Signaling Pathways in Human Neutrophils
Erick García-Garcia, Georgina Nieto-Castañeda, Melissa Ruiz-Saldaña, Nancy Mora, and Carlos Raulet

4557 Costimulation of Dendritic Epidermal γδ T Cells by a New NKG2D Ligand Expressed Specifically in the Skin
Michael I. Whang, Nadia Guerra, and David H. Raulet

4565 A Single-Chain H-2Dβ Molecule Presenting an Influenza Virus Nucleoprotein Epitope Shows Enhanced Ability at Stimulating CD8⁺ T Cell Responses In Vivo
Michael J. Palmowski, Matthew Parker, Kazubik Choudhuri, Christopher Chiu, Margaret F. C. Callan, P. Anton van der Merwe, Vincenzo Cerrudolo, and Keith G. Gould

4572 NK Cell Responsiveness Is Tuned Commensurate with the Number of Inhibitory Receptors for Self-MHC Class I: The Rheostat Model
Nathalie T. Joncker, Nadine C. Fernandez, Emmanuel Treiner, Eric Vivier, and David H. Raulet

4581 Thymic OX40 Expression Discriminates Cells Undergoing Strong Responses to Selection Ligands
Mark Klinger, Joong Kyu Kim, Stephen A. Chmura, Andrea Barczak, David J. Erle, and Nigel Killeen

4590 Early Infection Termination Affects Number of CD8⁺ Memory T Cells and Protective Capacities in Listeria monocytogenes-Infected Mice upon Rechallenge
Kuo-En Tseng, Cheng-Yu Chung, Weng Siong H'ng, and Shih-Lien Wang

4601 The Amino Acid Sequences Flanking an Antigenic Determinant Can Strongly Affect MHC Class I Cross-Presentation without Altering Direct Presentation
Xueying Ma, Amparo Serna, Ren-Huan Xu, and Luis J. Sigal

4608 Rabbit Polyclonal Anti-Mouse Thymocyte Globulin Administration Alters Dendritic Cell Profile and Function in NOD Mice to Suppress Diabetogenic Responses
Yanfei Huang, Matthew Parker, Changxing Xia, Ruibua Peng, Clive Wasserfall, Tracy Clarke, Lizhen Wu, Tayseer Chowdhry, Martha Campbell-Thompson, John Williams, Michael Clare-Salzler, Mark A. Askimson, and Karl L. Womer

4616 The A₂B Adenosine Receptor Impairs the Maturation and Immunogenicity of Dendritic Cells
Jeffrey M. Wilson, William G. Ross, Oma N. Aghai, Renee Frazier, Robert A. Figler, Jayson Rieger, Joel Linden, and Peter B. Ernst

4624 Calcitriol Suppresses Antiretinal Autoimmunity through Inhibitory Effects on the Th17 Effector Response
Jun Tang, Ru Zhou, Dror Luger, Wei Zhu, Phyllis B. Silver, Rafael S. Grajewski, Shao-Bo Su, Chi-Chao Chan, Luciano Adorini, and Rachel R. Caspi

4633 Activin A Promotes the TGF-β-Induced Conversion of CD4⁺CD25⁻ T Cells into Foxp3⁺ Induced Regulatory T Cells
Samuel Huber, Felix R. Stahl, Jörg Schrader, Stefan Lüth, Katrin Presser, Antonella Carambula, Richard A. Flavell, Sabine Werner, Manfred Blessing, Johannes Herkel, and Christoph Schramm

4641 Selective Requirement for c-Myc at an Early Stage of Vα14i NKT Cell Development
Marvin P. Mye, Isabel Ferrero, Anne Wilson, Wei Jiang, Teresa Bianchi, Andreas Trumpp, and H. Robson MacDonald
Molecular and Structural Immunology

4776 Interaction of Bap31 and MHC Class I Molecules and Their Traffic Out of the Endoplasmic Reticulum
Fumiyoshi Abe, Nancy Van Prooyen, John J. Ladasky, and Michael Edidin

4784 Natural Lipid Ligands Associated with Human CD1d Targeted to Different Subcellular Compartments
Weiming Yuan, Suk-Jo Kang, James E. Evans, and Peter Cresswell

Liza B. John, Simon Yoong, and Alister C. Ward

4800 Brief Residence at the Plasma Membrane of the MHC Class I-Related Chain B Is Due to Clathrin-Mediated Cholesterol-Dependent Endocytosis and Shedding
Sonia Aguera-González, Philippe Boutet, Hugh T. Reyburn, and Mar Valéš-Gómez

4809 Steric Hindrance and Fast Disassociation Explain the Lack of Immunogenicity of the Minor Histocompatibility HA-1Arg Null Allele
Eric Spierings, Stéphanie Gras, Jean-Baptiste Reiser, Bregje Mommaas, Mathilde Almekinders, Michel G. D. Kester, Anne Chouquet, Madalen Le Gorrec, Jan W. Drijffbout, Ferry Osendorp, Dominique Houset, and Els Goulmy

4817 Trimeric Complex Formation of IgE, FcεRI, and a Recombinant Nonanaphylactic Single-Chain Antibody Fragment with High Affinity for IgE

4830 N-Glycosylation Enhances Presentation of a MHC Class I-Restricted Epitope from Tyrosinase
Marina Ostankovitch, Michelle Altrich-VanLith, Valentina Robila, and Victor H. Engelhardt

4836 Thrombin Binding Predicts the Effects of Sequence Changes in a Human Monoclonal Antiphospholipid Antibody on Its In Vivo Biologic Actions
Ian Giles, Charis Pericleous, Xiaowei Liu, Jasmine Ehsanullab, Lindsey Clarke, Paul Brogan, Marvin Newton-West, Robert Suerlick, Anastasia Lambrianides, Poonen Chen, David Latchman, David Izenberg, Silvia Pierangeli, and Anisur Rahman

HOST DEFENSE

4854 Selective Transcriptional Down-Regulation of Human Rhinovirus-Induced Production of CXCL10 from Airway Epithelial Cells via the MEK1 Pathway
Raza S. Zaheer, Rommy Koetzler, Neil S. Holden, Shabina Wiehler, and David Proud

4865 A Protective Role for Dengue Virus-Specific CD8+ T Cells
Lauren E. Yauch, Raphael M. Zellweger, Maya F. Kotturi, Afrina Qutubuddin, John Sidney, Bjoern Peters, Tyler R. Prestwood, Alessandro Sette, and Sujan Shresta

4874 Host-Derived Interleukin-1α Is Important in Determining the Immunogenicity of 3-Methylcholanthrene Tumor Cells
Moshe Elkabetz, Yakov Krelin, Shabir Dotan, Adelheid Cerwenka, Angel Porgador, Rachel G. Lichtenstein, Malka R. White, Margot Zoller, Yoichizo Iwakura, Charles A. Dinarello, Elena Voronov, and Ron N. Apte

4882 Protective Response to Leishmania major in BALB/c Mice Requires Antigen Processing in the Absence of DM
Tirumalai Kamala and Navreet K. Nanda

4891 Group V Secretory Phospholipase A2 Modulates Phagosome Maturation and Regulates the Innate Immune Response against Candida albicans
Barbara Balestrieri, Akiko Maekawa, Wei Xing, Michael H. Gelb, Howard R. Katz, and Jonathan P. Arm

4899 Differential Requirements for Protection against Mucosal Challenge with Francisella tularensis in the Presence versus Absence of Cholera Toxin B and Inactivated F. tularensis
Constantine Bitsaktsis, Deepak B. Rawool, Ying Li, Nitin V. Kulkarni, Bibiana Iglesias, and Edmund J. Gouelin
4910 The NF-κB RelA Subunit Confers Resistance to Leishmania major by Inducing Nitric Oxide Synthase 2 and Fas Expression but Not Th1 Differentiation
Setsuko Mise-Omata, Etsushi Kuroda, Tsutomu Sugiura, Uki Yamashita, Yuichi Obata, and Takahiro S. Doi

4917 A Novel Hybrid Yeast-Human Network Analysis Reveals an Essential Role for FNBP1L in Antibacterial Autophagy
Alan Huett, Aylwin Ng, Zhifang Cao, Petric Kuballa, Masaaki Komatsu, Mark J. Daly, Daniel K. Podolsky, and Ramnik J. Xavier

4931 Important Role for CC Chemokine Ligand 2-Dependent Lung Mononuclear Phagocyte Recruitment to Inhibit Sepsis in Mice Infected with Streptococcus pneumoniae
Christine Winter, Wiebke Herbold, Regina Maus, Florian Länger, David E. Briles, James C. Paton, Tobias Welte, and Ulrich A. Maus

4938 Requisite Role for the Dectin-1 β-Glucan Receptor in Pulmonary Defense against Aspergillus fumigatus
Jessica L. Werner, Allison E. Metz, Dawn Horn, Trenton R. Schoeb, Matthew M. Hewitt, Lisa M. Schwiebert, Ines Faro-Trindade, Gordon D. Brown, and Chad Steele

4947 Lipocalin 2 Is Required for Pulmonary Host Defense against Klebsiella Infection
Yvonne R. Chan, Jessica S. Liu, Derek A. Pociask, Mingquan Zheng, Timothy A. Mietzner, Thorsten Berger, Tak W. Mak, Matthew C. Clifton, Roland K. Strong, Prabir Ray, and Jay K. Kolls

INFLAMMATION

4957 Contribution of Adenosine A2B Receptors to Inflammatory Parameters of Experimental Colitis
Julia-Stefanie Frick, Christopher F. MacManus, Melanie Scully, Louise E. Glover, Holger K. Eltzschig, and Sean P. Colgan

4965 Heat Shock Protein 96 Is Elevated in Rheumatoid Arthritis and Activates Macrophages Primarily via TLR2 Signaling
Qi-Quan Huang, Rudina Sobkoviak, Angela R. Jackbeck-Clark, Bo Shi, Arthur M. Mandelin Ii, Paul Peter Tak, G. Kenneth Haines Iii, Christopher V. Nicchitta, and Richard M. Pope

4974 Formyl Peptide Receptor-Like 2 Is Expressed and Functional in Plasmacytoid Dendritic Cells, Tissue-Specific Macrophage Subpopulations, and Eosinophils
Thalie Devosse, Aude Guillabert, Nicky D’Haene, Alix Berton, Patricia De Nadai, Sophie Noel, Maryse Brait, Jean-Denis Franssen, Silvano Sozanni, Isabelle Salmon, and Marc Parmentier

4985 Role of the Heparan Sulfate Proteoglycan Syndecan-1 (CD138) in Delayed-Type Hypersensitivity
Behzad Kharabi Masouleh, Gerdy B. Ten Dam, Martin K. Wild, Ruth Seeliger, Johan van der Vlag, Angelique L. Rops, Frank G. Echtmeyer, Dietmar Vestweber, Tain H. van Kuppevelt, Ludwig Kiesel, and Martin götte

4994 MicroRNA-21 Is Up-Regulated in Allergic Airway Inflammation and Regulates IL-12p35 Expression
Thomas X. Lu, Ariel Muniz, and Marc E. Rothenberg

5003 IL-20 Is Regulated by Hypoxia-Inducible Factor and Up-Regulated after Experimental Ischemic Stroke
Wei-Yu Chen and Ming-Shi Chang

5013 Functional Blocking Monoclonal Antibodies against IL-12p40 Homodimer Inhibit Adoptive Transfer of Experimental Allergic Encephalomyelitis
Susanta Mondal, Avik Roy, and Kalipada Pahan

5024 The Pattern Recognition Receptor CD36 Is a Chondrocyte Hypertrophy Marker Associated with Suppression of Catabolic Responses and Promotion of Repair Responses to Inflammatory Stimuli

5032 The Atypical Chemokine Receptor D6 Contributes to the Development of Experimental Colitis
Yvonne Bordon, Chris A. H. Hansell, David P. Sester, Mairi Clarke, Allan Mcl. Mowat, and Robert J. B. Nibbs

5041 A Novel and Critical Role for Tyrosine 663 in Platelet Endothelial Cell Adhesion Molecule-1 Trafficking and Transendothelial Migration
Bidisha Dasgupta, Eric Dufour, Zahra Mammadou, and William A. Muller