

Explore
New Cellular
Frontiers

High Resolution at the Single
Cell Level to Resolve and
Isolate the Most Challenging
Cell Populations

See More. Sort More



179 (2)

J Immunol 2007; 179:729-1390; ;
<http://www.jimmunol.org/content/179/2>

This information is current as
of October 19, 2021.

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.



729 **IN THIS ISSUE****LETTERS TO THE EDITOR**

- 731 Comment on “Germinal Center Helper T Cells Are Dual Functional Regulatory Cells with Suppressive Activity to Conventional CD4⁺ T Cells”
Daniele Focosi and Mario Petrini
- 731 Response to Comment on “Germinal Center Helper T Cells Are Dual Functional Regulatory Cells with Suppressive Activity to Conventional CD4⁺ T Cells”
Ekaterina Marinova, Shuhua Han, and Biao Zheng
- 732 Comment on “Characterization of Human Lung Tumor-Associated Fibroblasts and Their Ability to Modulate the Activation of Tumor-Associated T Cells”
Hazem Ghebeh and Said Dermime
- 733 Response to Comment on “Characterization of Human Lung Tumor-Associated Fibroblasts and Their Ability to Modulate the Activation of Tumor-Associated T Cells”
Michael R. Nazareth, Lori Broderick, Michelle R. Simpson-Abelson, Raymond J. Kelleher, Jr., Sandra J. Yokota, and Richard B. Bankert

CUTTING EDGE

- 735 Cutting Edge: Transgenic Expression of Human MUC1 in IL-10^{-/-} Mice Accelerates Inflammatory Bowel Disease and Progression to Colon Cancer
Pamela L. Beatty, Scott E. Plevy, Antonia R. Sepulveda, and Olivera J. Finn
- 740 Cutting Edge: Genetic Variation Influences FcεRI-Induced Mast Cell Activation and Allergic Responses
Yumi Yamashita, Nicolas Charles, Yasuko Furumoto, Sandra Odom, Toshiyuki Yamashita, Alasdair M. Gilfillan, Stephanie Constant, Molly A. Bower, John J. Ryan, and Juan Rivera
- 744 Cutting Edge: High Molecular Weight Hyaluronan Promotes the Suppressive Effects of CD4⁺CD25⁺ Regulatory T Cells
Paul L. Bollyky, James D. Lord, Susan A. Masewicz, Stephen P. Evanko, Jane H. Buckner, Thomas N. Wight, and Gerald T. Nepom
- 748 Cutting Edge: CD8⁺ T Cell Clones Possess the Potential to Differentiate into both High- and Low-Avidity Effector Cells
Charles J. Kroger and Martha A. Alexander-Miller

On the cover: Apoptosis-inducing factor (Aif) localization in wild-type T cell blasts undergoing neglect-induced death (NID; *top panels*) or activation-induced cell death (AICD; *bottom panels*). Cells undergoing NID or AICD were stained at 9 h (*left panels*) or 15 h (*right panels*) with anti-Aif (green), MitoTracker Red (red), and Hoechst 33342 (blue). Srivastava, S., H. Banerjee, A. Chaudhry, A. Khare, A. Sarin, A. George, V. Bal, J. M. Durdik, and S. Rath. 2007. Apoptosis-inducing factor regulates death in peripheral T cells. *J. Immunol.* 179: 797–803.

The Journal of Immunology (ISSN 0022-1767) is published twice each month by The American Association of Immunologists, Inc., 9650 Rockville Pike, Bethesda, MD 20814-3994. Subscription term: New subscriptions and renewals begin January 1 and expire one year later (see <http://www.jimmunol.org/subscriptions> for prices and details). A special rate is available to members of The American Association of Immunologists, Inc. (see <http://www.aai.org/membership>). Periodicals postage paid at Bethesda, MD 20814-3998, and at additional mailing offices. Country of origin U.S.A. Printed on acid-free recyclable paper. Postmaster: Send address changes to *The Journal of Immunology*, Subscription Department, Room L-3407A, 9650 Rockville Pike, Bethesda, MD 20814-3998. Copyright © 2007 by The American Association of Immunologists, Inc.

CELLULAR IMMUNOLOGY AND IMMUNE REGULATION

- 753 Honokiol, a Natural Plant Product, Inhibits Inflammatory Signals and Alleviates Inflammatory Arthritis
Melissa E. Munroe, Jack L. Arbiser, and Gail A. Bishop
- 764 Activating Fc γ Receptors Participate in the Development of Autoimmune Diabetes in NOD Mice
Yoshihiro Inoue, Tomonori Kaifu, Akiko Sugahara-Tobinai, Akira Nakamura, Jun-Ichi Miyazaki, and Toshiyuki Takai
- 775 Oral Administration of High Molecular Mass Poly- γ -Glutamate Induces NK Cell-Mediated Antitumor Immunity
Tae Woo Kim, Tae Young Lee, Hyun Cheol Bae, Jeong Ho Hahm, Yang Hyun Kim, Chung Park, Tae Heung Kang, Chul Joong Kim, Moon Hee Sung, and Haryoung Poo
- 781 The CD16⁻/CD56^{bright} Subset of NK Cells Is Resistant to Oxidant-Induced Cell Death
Fredrik B. Thorén, Ana I. Romero, Svante Hermodsson, and Kristoffer Hellstrand
- 786 A Novel Alloantigen-Specific CD8⁺PD1⁺ Regulatory T Cell Induced by ICOS-B7h Blockade In Vivo
Atsushi Izawa, Kazuhiro Yamaura, Monica J. Albin, Mollie Jurewicz, Katsumori Tanaka, Michael R. Clarkson, Takuya Ueno, Antje Habicht, Gordon J. Freeman, Hideo Yagita, Reza Abdi, Todd Pearson, Dale L. Greiner, Mohamed H. Sayegh, and Nader Najafian
- 797 Apoptosis-Inducing Factor Regulates Death in Peripheral T Cells
Smita Srivastava, Hridayesh Banerjee, Ashutosh Chaudhry, Anupriya Khare, Apurva Sarin, Anna George, Vineeta Bal, Jeannine M. Durdik, and Satyajit Rath
- 804 Distinct Activities of Stromal Cells Involved in the Organogenesis of Lymph Nodes and Peyer's Patches
Masato Okuda, Atsushi Togawa, Hiromi Wada, and Shin-ichi Nishikawa
- 812 Dendritic Cells Trigger Tumor Cell Death by a Nitric Oxide-Dependent Mechanism
Alexandra Nicolas, Dominique Cathelin, Nicolas Larmonier, Jennifer Fraszczak, Pierre-Emmanuel Puig, André Bouchot, Andrew Bateman, Eric Solary, and Bernard Bonnotte
- 819 Antiparallel Segregation of Notch Components in the Immunological Synapse Directs Reciprocal Signaling in Allogeneic Th:DC Conjugates
Winifred H. Luty, David Rodeberg, Jerome Parness, and Yatin M. Vyas
- 830 CTLs Target Th Cells That Acquire Bystander MHC Class I-Peptide Complex from APCs
Jennifer H. Cox, Andrew J. McMichael, Gavin R. Screaton, and Xiao-Ning Xu
- 837 Transcriptional Analysis of Clonal Deletion In Vivo
Troy A. Baldwin and Kristin A. Hogquist
- 845 Brain Microenvironment Promotes the Final Functional Maturation of Tumor-Specific Effector CD8⁺ T Cells
Frédéric Masson, Thomas Calzascia, Wilma Di Bernardino-Besson, Nicolas de Tribolet, Pierre-Yves Dietrich, and Paul R. Walker
- 854 KIR2DS1-Positive NK Cells Mediate Alloresponse against the C2 HLA-KIR Ligand Group In Vitro
Joseph H. Cheuning, Charlotte N. Gudme, Katharine C. Hsu, Annamalai Selvakumar, and Bo Dupont
- 869 Resistance to Experimental Autoimmune Encephalomyelitis and Impaired T Cell Priming by Dendritic Cells in Src Homology 2 Domain-Containing Protein Tyrosine Phosphatase Substrate-1 Mutant Mice
Takeshi Tomizawa, Yuka Kaneko, Yoriaki Kaneko, Yasuyuki Saito, Hiroshi Ohnishi, Jun Okajo, Chie Okuzawa, Tomomi Ishikawa-Sekigami, Yoji Murata, Hideki Okazawa, Koichi Okamoto, Yoshihisa Nojima, and Takashi Matozaki
- 878 Reciprocal Regulation of SH3 and SH2 Domain Binding via Tyrosine Phosphorylation of a Common Site in CD3 ϵ
Tapio Kesti, Anja Ruppelt, Jing-Huan Wang, Michael Liss, Ralf Wagner, Kjetil Taskén, and Kalle Saksela
- 886 Epidermal Langerhans Cells Are Dispensable for Humoral and Cell-Mediated Immunity Elicited by Gene Gun Immunization
Angelika Stoecklinger, Ines Grieshuber, Sandra Scheiblhofer, Richard Weiss, Uwe Ritter, Adrien Kissenpfennig, Bernard Malissen, Nikolaus Romani, Franz Koch, Fatima Ferreira, Josef Thalhammer, and Peter Hammerl

- 894 Blockade of IDO Inhibits Nasal Tolerance Induction
Arnold P. J. van der Marel, Janneke N. Samsom, Mascha Greuter, Lisette A. van Berkel, Tom O'Toole, Georg Kraal, and Reina E. Mebius
- 901 Urotensin II is a New Chemotactic Factor for UT Receptor-Expressing Monocytes
Jean-Pierre Segain, Malvyne Rolli-Derkinderen, Nadine Gervois, Diane Raingeard de la Bl ti re, Gervaise Loirand, and Pierre Pacaud
- 910 Foxp3⁺CD25⁺ T Regulatory Cells Stimulate IFN-γ-Independent CD152-Mediated Activation of Tryptophan Catabolism That Provides Dendritic Cells with Immune Regulatory Activity in Mice Unresponsive to Staphylococcal Enterotoxin B
Pascal Feunou, Sophie Vanwetswinkel, Florence Gaudray, Michel Goldman, Patrick Matthys, and Michel Y. Braun
- 918 Tristetraprolin, a Negative Regulator of mRNA Stability, Is Increased in Old B Cells and Is Involved in the Degradation of E47 mRNA
Daniela Frasca, Ana Marie Landin, Juan P. Alvarez, Perry J. Blakesbear, Richard L. Riley, and Bonnie B. Blomberg
- 928 Early TCR Expression and Aberrant T Cell Development in Mice with Endogenous Prerearranged T Cell Receptor Genes
Thomas Serwold, Konrad Hochedlinger, Matthew A. Inlay, Rudolf Jaenisch, and Irving L. Weissman
- 939 IFN-γ Acts Directly on Activated CD4⁺ T Cells during Mycobacterial Infection to Promote Apoptosis by Inducing Components of the Intracellular Apoptosis Machinery and by Inducing Extracellular Proapoptotic Signals
Xujian Li, K. Kai McKinstry, Susan L. Swain, and Dyana K. Dalton
- 950 IL-2 Regulates Expansion of CD4⁺ T Cell Populations by Affecting Cell Death: Insights from Modeling CFSE Data
Vitaly V. Ganusov, Dejan Milutinovi , and Rob J. De Boer
- 958 The Inflamed Central Nervous System Drives the Activation and Rapid Proliferation of Foxp3⁺ Regulatory T Cells
Richard A. O'Connor, Katy H. Malpass, and Stephen M. Anderton
- 967 Induction of Regulatory T Cells and Dominant Tolerance by Dendritic Cells Incapable of Full Activation
Stephen F. Yates, Alison M. Paterson, Kathleen F. Nolan, Stephen P. Cobbold, Nigel J. Saunders, Herman Waldmann, and Paul J. Fairchild
- 977 Cross-Talk between Myeloid-Derived Suppressor Cells and Macrophages Subverts Tumor Immunity toward a Type 2 Response
Pratima Sinha, Virginia K. Clements, Stephanie K. Bunt, Steven M. Albelda, and Suzanne Ostrand-Rosenberg
- 984 IL-4 and IL-13 Negatively Regulate TNF-α- and IFN-γ-Induced β-Defensin Expression through STAT-6, Suppressor of Cytokine Signaling (SOCS)-1, and SOCS-3
Cristina Albanesi, Heather R. Fairchild, Stefania Madonna, Claudia Scarponi, Ornella De Pit , Donald Y. M. Leung, and Michael D. Howell
- 993 Deletional Self-Tolerance to a Melanocyte/Melanoma Antigen Derived from Tyrosinase Is Mediated by a Radio-Resistant Cell in Peripheral and Mesenteric Lymph Nodes
Lisa A. Nichols, Yiming Chen, Teresa A. Colella, Clare L. Bennett, Bj rn E. Clausen, and Victor H. Engelhard
- 1004 Constitutive Expression of B7-1 on B Cells Uncovers Autoimmunity toward the B Cell Compartment in the Nonobese Diabetic Mouse
H l ne Bour-Jordan, Benoit L. Salomon, Heather L. Thompson, Rex Santos, Abul K. Abbas, and Jeffrey A. Bluestone
- 1013 Gads^{-/-} Mice Reveal Functionally Distinct Subsets of TCRβ⁺ CD4⁻ CD8⁻ Double-Negative Thymocytes
Ling Zeng, Stacy L. Dalheimer, and Thomas M. Yankee
- 1022 Tumor-Associated E-Cadherin Mutations Affect Binding to the Killer Cell Lectin-Like Receptor G1 in Humans
Sabrina Schwartzkopff, Carsten Gr ndemann, Oliver Schweier, Stephan Rosshart, Klaus Erik Karjalainen, Karl-Friedrich Becker, and Hanspeter Pircher

- 1030 Membranal Cholesterol Is Not Required for L-Selectin Adhesiveness in Primary Lymphocytes but Controls a Chemokine-Induced Destabilization of L-Selectin Rolling Adhesions
Oren Dwir, Valentin Grabovsky, Ronit Pasvolsky, Eugenia Manevich, Revital Shamri, Paul Gutwein, Sara W. Feigelson, Peter Alevogt, and Ronen Alon
- 1039 Parallel Expansion of Human Virus-Specific FoxP3⁻ Effector Memory and De Novo-Generated FoxP3⁺ Regulatory CD8⁺ T Cells upon Antigen Recognition In Vitro
Eva Billerbeck, Hubert E. Blum, and Robert Thimme
- 1049 Ig Allotypic Inclusion Does Not Prevent B Cell Development or Response
Maria-Gabriela Velez, Melissa Kane, Sucai Liu, Stephen B. Gauld, John C. Cambier, Raul M. Torres, and Roberta Pelanda
- 1058 Chronic Lymphocytic Choriomeningitis Virus Infection Actively Down-Regulates CD4⁺ T Cell Responses Directed against a Broad Range of Epitopes
Bianca R. Mothé, Barbara S. Stewart, Carla Oseroff, Huynh-Hoa Bui, Stephanie Stogiera, Zacarias Garcia, Courtney Dow, Maria Pilar Rodriguez-Carreno, Maya Kotturi, Valerie Pasquetto, Jason Botten, Shane Crotty, Edith Janssen, Michael J. Buchmeier, and Alessandro Sette
- 1068 Stat5 Is Essential for Early B Cell Development but Not for B Cell Maturation and Function
Xuezhi Dai, Yuhong Chen, Lie Di, Andrew Podd, Geqiang Li, Kevin D. Bunting, Lothar Hennighausen, Renren Wen, and Demin Wang
- 1080 TLR3- and Th2 Cytokine-Dependent Production of Thymic Stromal Lymphopoietin in Human Airway Epithelial Cells
Atsushi Kato, Silvio Favoreto, Jr., Pedro C. Avila, and Robert P. Schleimer

MOLECULAR AND STRUCTURAL IMMUNOLOGY

- 1088 CTCF-Independent, but Not CTCF-Dependent, Elements Significantly Contribute to TCR- α Locus Control Region Activity
Janette Gomos-Klein, Faith Harrow, Jemma Alarcón, and Benjamin D. Ortiz
- 1096 A Costimulation-Initiated Signaling Pathway Regulates NFATc1 Transcription in T Lymphocytes
Roza I. Nurieva, Sergei Chuvpilo, Eric D. Wieder, Keith B. Elkon, Richard Locksley, Edgar Serfling, and Chen Dong
- 1104 TCR/CD28-Stimulated Actin Dynamics Are Required for NFAT1-Mediated Transcription of *c-rel* Leading to CD28 Response Element Activation
Jeffrey C. Nolz, Martin E. Fernandez-Zapico, and Daniel D. Billadeau

HOST DEFENSE

- 1113 The Antiviral CD8⁺ T Cell Response Is Differentially Dependent on CD4⁺ T Cell Help Over the Course of Persistent Infection
Christopher C. Kember, Christopher D. Pack, Heath M. Guay, Zhu-Nan Li, David A. Steinhauer, Eva Szomolanyi-Tsuda, and Aron E. Lukacher
- 1122 Protection from Lethal Infection by Adoptive Transfer of CD8 T Cells Genetically Engineered to Express Virus-Specific Innate Immune Receptor
Koho Iizuka, Chigusa Nakajima, Yoshie-Matsubayashi Iizuka, Mitsuyo Takase, Takako Kato, Satoshi Noda, Kazuo Tanaka, and Osami Kanagawa
- 1129 Activation of TLR2 and TLR4 by Glycosylphosphatidylinositols Derived from *Toxoplasma gondii*
Françoise Debierre-Grockieo, Marco A. Campos, Nahid Azzouz, Jörg Schmidt, Ulrike Bieker, Marianne Garcia Resende, Daniel Santos Mansur, Ralf Weingart, Richard R. Schmidt, Douglas T. Golenbock, Ricardo T. Gazzinelli, and Ralph T. Schwarz
- 1138 NKT Cells Are Critical to Initiate an Inflammatory Response after *Pseudomonas aeruginosa* Ocular Infection in Susceptible Mice
Linda D. Hazlett, Qianqian Li, Jianhua Liu, Sharon McClellan, Wenjin Du, and Ronald P. Barrett
- 1147 Blocking of the TLR5 Activation Domain Hampers Protective Potential of Flagellin DNA Vaccine
Sukumar Saha, Fumihiko Takeshita, Tomoko Matsuda, Nao Jounai, Kouji Kobiyama, Tetsuya Matsumoto, Shin Sasaki, Atsushi Yoshida, Ke-Qin Xin, Dennis M. Klinman, Satoshi Uematsu, Ken J. Ishii, Shizuo Akira, and Kenji Okuda

- 1155 Expression of CXC Chemokine Ligand 10 from the Mouse Hepatitis Virus Genome Results in Protection from Viral-Induced Neurological and Liver Disease
Kevin B. Walsh, Robert A. Edwards, Kimberley M. Romero, Matthew V. Kotlajich, Stephen A. Stohlman, and Thomas E. Lane
- 1166 Type I IFN Induction in Response to *Listeria monocytogenes* in Human Macrophages: Evidence for a Differential Activation of IFN Regulatory Factor 3 (IRF3)
Thornik Reimer, Matthias Schweizer, and Thomas W. Jungi
- 1178 IL-1 Receptor-Mediated Signal Is an Essential Component of MyD88-Dependent Innate Response to *Mycobacterium tuberculosis* Infection
Cecile M. Fremond, Dieudonné Togbe, Emilie Doz, Stephanie Rose, Virginie Vasseur, Isabelle Maillet, Muazzam Jacobs, Bernhard Ryffel, and Valerie F. J. Quesniaux
- 1190 Direct Interferon- γ Signaling Dramatically Enhances CD4⁺ and CD8⁺ T Cell Memory
Jason K. Whitmire, Boreth Eam, Nicola Benning, and J. Lindsay Whitton

INFLAMMATION

- 1198 Microglia-Mediated Neurotoxicity Is Inhibited by Morphine through an Opioid Receptor-Independent Reduction of NADPH Oxidase Activity
Li Qian, Kai Soo Tan, Sung-Jen Wei, Hung-Ming Wu, Zongli Xu, Belinda Wilson, Ru-Bin Lu, Jau-Shyong Hong, and Patrick M. Flood
- 1210 The Human Endogenous Retrovirus Envelope Glycoprotein, Syncytin-1, Regulates Neuroinflammation and Its Receptor Expression in Multiple Sclerosis: A Role for Endoplasmic Reticulum Chaperones in Astrocytes
Joseph M. Antony, Kristofor K. Ellestad, Robert Hammond, Kazunori Imaizumi, François Mallet, Kenneth G. Warren, and Christopher Power
- 1225 The Involvement of CD44 and Its Novel Ligand Galectin-8 in Apoptotic Regulation of Autoimmune Inflammation
Lora Eshkar Sebban, Denise Ronen, David Levartovsky, Ori Elkayam, Dan Caspi, Suhail Aamar, Howard Amital, Alan Rubinow, Ira Golan, David Naor, Yehiel Zick, and Itshak Golan
- 1236 The Anti-Inflammatory Effects of Heat Shock Protein 72 Involve Inhibition of High-Mobility-Group Box 1 Release and Proinflammatory Function in Macrophages
Daolin Tang, Rui Kang, Weimin Xiao, Haichao Wang, Stuart K. Calderwood, and Xianzhong Xiao
- 1245 A Novel Role for Defensins in Intestinal Homeostasis: Regulation of IL-1 β Secretion
Jishu Shi, Shelly Aono, Wuyuan Lu, Andre J. Ouellette, Xueyou Hu, Yingbiao Ji, Lei Wang, Stephen Lenz, Frederik W. van Ginkel, Mark Liles, Christine Dykstra, Edward E. Morrison, and Charles O. Elson
- 1254 Therapeutic Anti-Inflammatory Effects of Myeloid Cell Adenosine Receptor A2a Stimulation in Lipopolysaccharide-Induced Lung Injury
Jörg Reutershan, Rebecca E. Cagnina, Daniel Chang, Joel Linden, and Klaus Ley
- 1264 Eotaxin-1/CC Chemokine Ligand 11: A Novel Eosinophil Survival Factor Secreted by Human Pulmonary Artery Endothelial Cells
Neda Farahi, Andrew S. Cowburn, Paul D. Upton, John Deighton, Anastasia Sobolewski, Ermanno Gherardi, Nicholas W. Morrell, and Edwin R. Chilvers
- 1274 Pyrin Levels in Human Monocytes and Monocyte-Derived Macrophages Regulate IL-1 β Processing and Release
Sudarshan Seshadri, Michelle D. Duncan, Judith M. Hart, Mikhail A. Gavrilin, and Mark D. Wewers
- 1282 Maternal Transmission of Resistance to Development of Allergic Airway Disease
Adam P. Matson, Li Zhu, Elizabeth G. Lingenheld, Craig M. Schramm, Robert B. Clark, Dawn M. Selander, Roger S. Thrall, Elena Breen, and Lynn Puddington
- 1292 Leptin-Induced IL-6 Production Is Mediated by Leptin Receptor, Insulin Receptor Substrate-1, Phosphatidylinositol 3-Kinase, Akt, NF- κ B, and p300 Pathway in Microglia
Chih-Hsin Tang, Da-Yuu Lu, Rong-Sen Yang, Huei-Yann Tsai, Ming-Ching Kao, Wen-Mei Fu, and Yuh-Fung Chen

CLINICAL IMMUNOLOGY

- 1303 Human Cytotoxic CD4⁺ T Cells Recognize HLA-DR1-Restricted Epitopes on Vaccinia Virus Proteins A24R and D1R Conserved among Poxviruses
Shibani Mitra-Kaushik, John Cruz, Lawrence J. Stern, Francis A. Ennis, and Masanori Terajima
- 1313 α -Actinin Immunization Elicits Anti-Chromatin Autoimmunity in Nonautoimmune Mice
Bisram Deocharan, Zhijie Zhou, Kochmaf Antar, Linda Siconolfi-Baez, Ruth Hogue Angeletti, John Hardin, and Chaim Putterman
- 1322 Prevalence of Newly Generated Naive Regulatory T Cells (T_{reg}) Is Critical for T_{reg} Suppressive Function and Determines T_{reg} Dysfunction in Multiple Sclerosis
Jürgen Haas, Benedikt Fritzsching, Petra Trübswetter, Mirjam Korporal, Linda Milkova, Brigitte Fritz, Diana Vobis, Peter H. Krammer, Elisabeth Suri-Payer, and Brigitte Wildemann
- 1331 Clonal Expansion of CD8⁺ Effector T Cells in Childhood Tuberculosis
Marc Jacobsen, Anne K. Detjen, Henrik Mueller, Andrea Gutschmidt, Sandra Leitner, Ulrich Wahn, Klaus Magdorf, and Stefan H. E. Kaufmann
- 1340 Lupus Susceptibility Genes May Breach Tolerance to DNA by Impairing Receptor Editing of Nuclear Antigen-Reactive B Cells
Yang Liu, Liunan Li, Kirithi Raman Kumar, Chun Xie, Skip Lightfoot, Xin J. Zhou, John F. Kearney, Martin Weigert, and Chandra Mohan
- 1353 Omalizumab Reverses the Phenotypic and Functional Effects of IgE-Enhanced Fc ϵ RI on Human Skin Mast Cells
Gregorio Gomez, Sherryline Jogie-Brahim, Mika Shima, and Lawrence B. Schwartz
- 1362 Biodistribution Studies of Epithelial Cell Adhesion Molecule (EpCAM)-Directed Monoclonal Antibodies in the EpCAM-Transgenic Mouse Tumor Model
Jos G. W. Kosterink, Pamela M. J. McLaughlin, Marjolijn N. Lub-de Hooge, Harry H. Hendrikse, Jacoba van Zanten, Evert van Garderen, Martin C. Harmsen, and Lou F. M. H. de Leij
- 1369 B Cell Depletion Delays Collagen-Induced Arthritis in Mice: Arthritis Induction Requires Synergy between Humoral and Cell-Mediated Immunity
Koichi Yanaba, Yasuhito Hamaguchi, Guglielmo M. Venturi, Douglas A. Steeber, E. William St. Clair, and Thomas F. Tedder
- 1381 Tumor-Associated Embryonic Antigen-Expressing Vaccines that Target CCR6 Elicit Potent CD8⁺ T Cell-Mediated Protective and Therapeutic Antitumor Immunity
Arya Biragyn, Roberta Schiavo, Purevdorj Olkhanud, Kenya Sumitomo, Alan King, Megan McCain, Fred E. Indig, Giovanni Almanzar, and Dolgor Baatar
- 1389 Corrections
- 1402 Author Index
- 1405 AAI Membership Application
- 1406 AAI Trainee Membership Application