



## Inflammasome Reporter Cells

All you have to do is ASC

InvivoGen



118 (2)

*J Immunol* 1977; 118:381-726; ;  
<http://www.jimmunol.org/content/118/2.citation>

This information is current as  
of July 22, 2018.

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.



# THE JOURNAL OF IMMUNOLOGY®

## Contents for February

### CELLULAR IMMUNITY

- 381 Direct and Cooperative Mechanisms of Lymphocyte Triggering in Liquid and Solid Cultures. *Esteban Kondracki and Felix Milgrom*
- 405  $\alpha$ -Fetoprotein and Human Lymphocyte Subpopulations. *Sudhir Gupta and Robert A. Good*
- 418 In Vitro Mitogenic Stimulation of Murine Spleen Cells by Herpes Simplex Virus. *Holger Kirchner, Gholamreza Darai, Hans Martin Hirt, Katharina Keyssner, and Klaus Munk*
- 446 Antigen-Induced Alterations in Splenic Prostaglandin and Cyclic Nucleotide Levels in NZB Mice. *D. R. Webb, I. Nowowiejski, M. Dauphinée, and N. Talal*
- 485 Suppression of IgE Antibody Production in SJL Mice. II. Expression of Ly-1 Antigen on Helper and Non-specific Suppressor T Cells. *Naohiro Watanabe, Somei Kojima, Fung-Win Shen, and Zoltan Ovary*
- 529 Endothelial Proliferation in the Delayed Hypersensitivity Reaction: An Autoradiographic Study. *Peter J. Polverini, Ramzi S. Cotran, and Milton M. Sholley*
- 544 Antigen Recognition: The Specificity of an Isolated T Lymphocyte Population. *Philip P. Stashenko and Stuart F. Schlossman*
- 584 Antigen-Specific T Cell Factors: A Fine Analysis of Specificity. *Ronit Isac and Edna Mozes*
- 612 Ontogeny of the Antibody-Forming Cell Line in Mice. IV. Appearance of Cells Bearing Fc Receptors, Complement Receptors, and Surface Immunoglobulin. *Yvonne J. Rosenberg and Christopher R. Parish*
- 642 Enhancement by Irradiated T Cells of Human Plasma Cell Production: Dissection of Helper and Suppressor Functions in Vitro. *Frederick P. Siegal and Marta Siegal*

### CLINICAL IMMUNOLOGY

- 418 Identification and Purification of Immunosuppressive Activity in the Urine of Rats and a Human Patient Treated with Niridazole. *Samuel V. Lucas, Jerry C. Daniels, Richard D. Schubert, Janney M. Simpson, Adel A. F. Mahmoud, Kenneth S. Warren, John R. David, and Leslie T. Webster, Jr.*
- 455 Bullous Pemphigoid Antigen: Isolation from Normal Human Skin. *Luis A. Diaz, Nicholas J. Calvanico, Thomas B. Tomasi, Jr., and Robert E. Jordan*
- 540 Histaminase Release from Human Eosinophils. *Robert S. Zeiger and Harvey R. Colten*
- 558 The Mononuclear Cell in Human Blood Which Mediates Antibody-Dependent Cellular Cytotoxicity to Virus-Infected Target Cells: I. Identification of the Population of Effector Cells. *Steven L. Shore, F. Michael Melewicz, and David S. Gordon*
- 567 The Mononuclear Cell in Human Blood Which Mediates Antibody-Dependent Cellular Cytotoxicity to Virus-Infected Target Cells. II. Identification as a K Cell. *F. Michael Melewicz, Steven L. Shore, Edwin W. Ades, and Don J. Phillips*
- 625 Identification of Human Peripheral T Cell Antigen. *Hirofumi Koshiba, Yoshifumi Ishii, Norburu Yamana, and Kokichi Kikuchi*
- 630 Primary in-Vitro Antibody Response from Human Peripheral Blood Lymphocytes. *Jean-François Defraissy, Pierre Galanaud, Jean Dormont, and Christine Wallon*
- 679 Complement-Induced Histamine Release from Human Basophils. III. Effect of Pharmacologic Agents. *William A. Hook and Reuben P. Siraganian*
- 694 Characterization of DNA Used to Assay Sera for Anti-DNA Antibodies; Determination of the Specificities of Anti-DNA Antibodies in SLE and Non-SLE Rheumatic Disease States. *Joseph D. Locker, M. Edward Medof, Robert M. Bennett, and Surintra Sukhupunyaraksa*

### IMMUNOCHEMISTRY

- 388 Characterization of Two Species of Fc Fragments Obtained from Rat IgG2a by Prolonged Papain Digestion. *William P. Arend, Mark A. Hermodson, and David C. Teller*
- 395 Catabolism and Biologic Properties of Two Species of Rat IgG2a Fc Fragments. *William P. Arend and Douglas E. Webster*
- 401 Structural and Genetic Studies on Chicken 7S Immunoglobulin Allotypes. II. Distribution of Allotypes on the 7S Immunoglobulin of Homozygous and Heterozygous Chickens. *Edward K. Wakeland, Albert A. Benedict, and Hans A. Abplanalp*
- 409 Species Specificity in the Isoelectric Spectra of Immunoglobulin Light Chains. *David M. Gibson*
- 451 Activation of the Alternative Pathway by Pneumococcal Cell Walls. *Jerry A. Winkelstein and Alexander Tomasz*
- 505 Isolation and Characterization of Immunoregulatory Factors from Normal Human Serum. I. Preliminary Biochemical and Biologic Characterization of Immunosuppressive Factors. *Madeliene Voorting-Hawking and J. Gabriel Michael*
- 525 Alternative Pathway of Complement: Nonenzymatic, Reversible Transition of Precursor to Active Properdin. *Otto Götze, Rudolf G. Medicus, and Hans J. Müller-Eberhard*

- 533 **Complement Activation by Measles Virus Cytotoxic Antibodies. Alternative Pathway C Activation by Hemagglutination Inhibition Antibodies but Classical Activation by Hemolysin Antibodies.** *Anneka C. Ehrnst*
- 551 **Partial Characterization of Nervous System-Specific Cell Surface Antigen(s) NS-2.** *Dorothy Yuan, Ellen S. Vitetta, and Melitta Schachner*
- 636 **Human Transfer Factor: Fractionation by Electrofocusing and High Pressure, Reverse Phase Chromatography.** *Arthur A. Vandenbark, Denis R. Burger, David L. Dreyer, G. Doyle Daves, Jr., and R. Mark Vetto*
- 648 **In Vivo Suppression of the Primary Immune Response by A Species of Low Density Serum Lipoprotein.** *Linda K. Curtiss, David H. DeHeer, and Thomas S. Edgington*
- 667 **Immunologic Reactivity of Purified Human Urinary Kallikrein (Urokallikrein) with Antiserum Directed against Human Pancreas.** *Onesmo ole-MoiYoi, Jocelyn Spragg, Seymour P. Halbert, and K. Frank Austen*

#### IMMUNOGENETICS AND TRANSPLANTATION

- 423 **A New Histogenetic Method for Minor Histocompatibility Antigen Typing.** *Vera Hauptfeld and Jan Klein*
- 427 **Ir-Gene Control of Antibody Class Production.** *Hubert Kolb, Klaus Keck, Massoud Momayezi, Cornelia Schicker, and Dorothea Trissl*
- 431 **Histocompatibility Requirements for Cellular Cooperation in the Chicken: Generation of Germinal Centers.** *Auli Toivanen and Paavo Toivanen*
- 574 **Differential Effects of Alloimmunization on T Cells Mediating Graft-vs-Host Splenomegaly or the Allogeneic Effect in F<sub>1</sub> Mice.** *Herbert C. Morse III, Vilho J. Pasanen, and Richard Asofsky*
- 618 **The Direct Antiviral Cytotoxicity by Bovine Lymphocytes Is Not Restricted by Genetic Incompatibility of Lymphocytes and Target Cells.** *Barry T. Rouse and Lorne A. Babiuk*
- 653 **Suppressor T Cells Arising in Mice Undergoing a Graft-vs-Host Response.** *Karin Pickel and Michael K. Hoffmann*
- 657 **Immune Competence of Splenic Lymphocytes following Graft-vs-Host Disease in Mouse Allogeneic Radiation Chimeras.** *Paul Urso and Nazareth Gengozian*

#### IMMUNOPATHOLOGY

- 461 **The Nature of the Local Immune System of the Bovine Mammary Gland.** *Timothy J. Newby and John Bourne*
- 466 **Inhibition of Cl<sub>2</sub>-Induced Vascular Leakage in Guinea Pigs by Substituted Benzamidine and Pyridinium Compounds.** *Judith M. Andrews, Fred S. Rosen, Shonni J. Silverberg, Michael Cory, Eveline E. Schneberger, and David H. Bing*
- 478 **Spleen-Derived Mononuclear Cell Chemotactic Factor in Malaria Infections: A Possible Mechanism for Splenic Macrophage Accumulation.** *David J. Wyler and John I. Gallin*
- 514 **Studies of the Mechanism of the Human Platelet Release Reaction Induced by Immunologic Stimuli. III. Relationship between the Binding of Soluble IgG Aggregates to the FC Receptor and Cell Response in the Presence and Absence of Plasma.** *Sharron L. Pfueller, Susanne Weber, and Ernst F. Lüscher*
- 578 **Reduction in Basal Adenylate Cyclase Activity during the Immunologic Release of Histamine from Guinea Pig Lung.** *Margaret Hitchcock*
- 589 **Experimental Cell-Mediated Interstitial Nephritis Induced with Exogenous Antigens.** *Matthew J. Van Zwieten, Paul D. Leber, Atul K. Bhan, and Robert T. McCluskey*

#### TUMOR IMMUNOLOGY

- 412 **Characterization of Suppressor Cells in Mice Bearing Syngeneic Mastocytoma.** *Fumio Takei, Julia G. Levy, and Douglas G. Kilburn*
- 489 **Antibody-Mediated Suppression of Tumor Growth. I. Suppression by Murine IgG1 Isolated from Alloantiserum.** *Robert J. Johnson, Gary R. Pasternack, and Hyun S. Shin*
- 494 **Antibody-Mediated Suppression of Tumor Growth. II. Macrophage and Platelet Cooperation with Murine IgG1 Isolated from Alloantiserum.** *Robert J. Johnson, Gary R. Pasternack, and Hyun S. Shin*
- 498 **Antibody-Mediated Suppression of Tumor Growth. III. Molecular Assay of Murine IgG1 Alloantibody Required to Cause Tumor Suppression in Vivo.** *Robert J. Johnson, Gary R. Pasternack, B-E. Drysdale, and Hyun S. Shin*
- 600 **Immunologic Characterization in Relation to High and Low Leukemogenic Activity of Radiation Leukemia Virus Variants. I. Cellular Analysis of Immunosuppression.** *Nechama Haran-Ghera, Miriam Ben-Yaakov, and Alpha Peled*
- 607 **Immunologic Characterization in Relation to High and Low Leukemogenic Activity of Radiation Leukemia Virus Variants. II. Analysis of the Immune Response.** *Nechama Haran-Ghera and Nazario Rubio*
- 685 **Immunity to Lymphoid Tumors Induced in Syngeneic Mice by Immunization with Mitomycin C-Treated Cells.** *Eli Benjamini, Sherman Fong, Caroline Erickson, Cherry Y. Leung, Donna Rennick, and Robert J. Scibienski*
- 702 **Suppression of Humoral Immune Response by Plasmacytomas: Mediation by Adherent Mononuclear Cells.** *Jean-Pierre Kolb, Shelley Arrian, and Susan Zolla-Pazner*

#### VIRAL AND MICROBIAL IMMUNOLOGY

- 437 **Purification of a Chlamydia Trachomatis-Specific Antigen by Immunoabsorption with Monospecific Antibody.** *Harlan D. Caldwell and Cho-chou Kuo*

Continued on page 8

Continued from page 3

- 442 **Serologic Diagnosis of Lymphogranuloma venereum by Counterimmunoelectrophoresis with a Chlamydia trachomatis Protein Antigen.** *Harlan D. Caldwell and Cho-chou Kuo*
- 472 **Cyclophosphamide-Induced Specific Suppression of the Protective Immune Response to Rodent Malaria.** *Robert A. Wells, Carter L. Diggs, and S. Michael Phillips*
- 594 **Schistosomiasis in the Congenitally Athymic (Nude) Mouse: I. Thymic Dependency of Eosinophilia, Granuloma Formation, and Host Morbidity.** *S. Michael Phillips, Joseph J. DiConza, Jerome A. Gold, and Willis A. Reid*
- 662 **Genetic Factors Influencing Mouse Type-C RNA Virus Induction by Naturally Occurring B Cell Mitogens.** *S. Michael Phillips, John R. Stephenson, and Stuart A. Aaronson*
- 673 **Antigenic Specificity of Opsonophagocytic Antibodies in Rabbit Antisera to Group B Streptococci.** *Robert S. Baltimore, Dennis L. Kasper, Carol J. Baker, and Diana K. Goroff*
- 710 **Effects of Local Immunization with Glucosyltransferase Fractions from Streptococcus mutans on Dental Caries in Rats and Hamsters.** *Martin A. Taubman and Daniel J. Smith*

#### COMMUNICATIONS

- 721 **Differential Effects of Interferon on the Expression of H-2K, H-2D, and Ia Antigens on Mouse Lymphocytes.** *Françoise Vignaux and Ion Gresser*
- 723 **Activation of the Classical Complement Pathway by Fc Fragment of Human IgA.** *Mary F. Burritt, Nicholas J. Calvanico, Satish Mehta, and Thomas B. Tomasi, Jr.*
- 726 **Announcements**
- 727 **Author Index**

## THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS

### OFFICERS

**Manfred M. Mayer, *President***  
Baltimore, Maryland

**K. Frank Austen, *Vice President***  
Boston, Massachusetts

**Henry Metzger, *Secretary-Treasurer***  
American Association of Immunologists  
9650 Rockville Pike  
Bethesda, Maryland 20014

### COUNCILLORS

**David W. Talmage**  
Denver, Colorado

**Irwin H. Lepow**  
Farmington, Connecticut

**D. Bernard Amos**  
Durham, North Carolina

**Hugh O. McDevitt**  
Stanford, California

**Joseph D. Feldman**  
La Jolla, California