112 (2)

J Immunol 1974; 112:439-869; ;
http://www.jimmunol.org/content/112/2.

citation

This information is current as of July 15, 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

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 IMMUNOLOGY

Delineation of B and T Lymphoid Cells in the Chicken. BORIS ALBINI AND GEORG WICK ............................................. 444

The Effect of Anti-Plasma Cell Serum on B Cells. HIDEO NARIUCHI AND TYOKU MATUHASI ............................................................................................................................... 462

Production of Colony-Stimulating Factor in Mitogen-Stimulated Lymphocyte Cultures. JOHN W. PARKER AND DONALD METCALF .................................................. 502

Identification and Quantitation of Thymus-Derived Lymphocytes in Human Peripheral Blood. ARTHUR M. BOBROVE, SAMUEL STROBER, LEONARD A. HERZENBERG, AND JEAN D. DEPAMHILIS ............................................. 520

Studies on Delayed Hypersensitivity with Trachoma Organisms. III. Lymphokines. CHO-CHOU Kuo AND J. THOMAS GRAYSTON .................................................. 540

In Vitro Anamnestic Response of Rabbit Lymph Node Cells: Evidence for Cell Collaboration in Induction and Regulation. ANRAM B. STAVITSKY AND RICHARD G. COOK .................................................................................................................. 583

Evaluation of T Lymphocyte Effector Function in Immunodeficiency Diseases: Abnormality in Mitogen-Stimulated Interferon in Patients with Selective IgA Deficiency. LIOS B. EPSTEIN AND ARTHUR J. AMMANN ............................................. 617

Similarity of Migration Inhibitory Factor(s) Produced by Human Lymphoid Cell Line and Phytohemagglutinin and Tuberculin-Stimulated Human Peripheral Lymphocytes. PHOTINI S. PAPAGIORGIOU, CAROL F. SOROKIN, AND PHILIP R. GLADE ............................................................... 675

Antigen-Induced Proliferation of Guinea Pig Lymphocytes in Vitro: Functional Aspects of Antigen Handling by Macrophages. JAMES A. WALDRON, JR., ROBERT G. HORN, AND ALAN S. ROSENTHAL .................................................. 746

Endotoxin Stimulated Spleen Cells: Mitogenesis, the Occurrence of the C3 Receptor, and the Production of Immunoglobulin. BOBBY J. GORMUS, RICHARD B. CRANDALL, AND JOSEPH W. SHANDS, JR ............................................. 770

Regulation of Homocytotropic Antibody Formation in the Rat. IX. Further Characterization of the Antigen-Specific Inhibitory T Cell Factor in Hapten-Specific Homocytotropic Antibody Response. KO OKUMURA AND TOMIO TADA .................................................. 783

Antibody-Mediated Target Cell Lysis by Nonimmune Cells: The Use of Anti-Immunglobulin to Distinguish Effector Cell Populations. KLAUS RESCH, ERWIN W. GELFAND, AND MARLOT PRESTER ............................................. 792

Carrier-Specific Enhancement of the Immune Response Using Antigen-Antibody Complexes. GERONIMO TERRES, GAIL S. HABICHT, AND RICHARD D. STONER .................................................. 804

Effect of Rifamycin-SV Derivatives on Immunologic Responses in Culture. DAVID OSOBA .................................................. 844

IMMUNOCHEMISTRY

Determination of Soluble Immune Complex Molar Composition and Antibody Association Constants by Ammonium Sulfate Precipitation. WILLIAM P. AREND AND MART MANNIK .................................................................................................................. 451

Ontogeny of Peyer's Patches and Immunoglobulin-Containing Cells in Pigs. HAROLD A. CHAPMAN, JOHN S. JOHNSON, AND MAX D. COOPER .................................................. 555

Effect of Irradiation and Cyclophosphamide on Anti-KLH Antibody Formation in Mice. PHILLIP E. HOFFSTEN AND FRANK J. DIXON .................................................. 564

A Rabbit IgG Antigenic Marker Detected by 19S Anti-IgG Present in Streptococcal Antisera. JEN WEI CHIAO, VIKTOR A. BOKISCH, CHARLES L. CHRISTIAN, AND RICHARD M. KRAUSE .................................................. 627

A Sequence Restriction in the Variable Region of Immunoglobulin Light Chains from Sharks, Birds, and Mammals. THOMAS STANTON, CARLOS SLEDGE, J. DONALD CAPRA, ROY WOODS, WILLIAM CLEM, AND LEROY HOOD .................................................. 633

Characterization and Properties of an Anaphylactic 7S Antibody in Sheep. MARIA B. ESTEVEZ, OSVALDO A. SANT'ANNA, VERA C. DOS ANNES, AND RUBEN A. BINAGHI .................................................. 722

A Quantitative Radioisotopic Assay for Hemolytic Antibody by Employing Technetium-99m Labeled Erythrocytes. ROLF F. BARTH AND OM SINGLA .................................................. 756

Activation of the Classic and Alternate Complement Pathways by Endotoxin. DOUGLAS P. FINE .................................................. 763

The lgM and lgA Immune Response to the TNP Determinant Group in BALB/c Mice. PETER MAUCH, S. H. BRIDGES, K. D. LITTLE, AND J. RUSSELL LITTLE .................................................. 812
IMMUNOGENETICS AND TRANSPANTATION

Allelic Selection of Light Chain Allotypes by Antibodies Raised in Heterozygous Rabbits. THOMAS J. KINDT .......................................................... 601

Antibodies Specific for the α- and Ly-Alloantigens in Various Rabbit Antisera. RUTH RABINOWITZ, ADA COHEN, REUVEN LASKOV, AND MICHAEL SCHLESINGER .................. 683

Cytotoxic Antibodies and Lymphocytes Induced by Orthotopic Tooth Bud Allografts in Mice. GEORGES R. RIVIERE .................................................... 776

Interaction of Anti-Thymocyte Serum with Hematopoietic Stem Cells. I. Effects in Vitro and in Vivo. B. K. MOOKERJEE, LUIGI AZZOLINA, AND LYNDALL POULTAR 822

Interaction of Complement with Antigen-Antibody Complexes of Rabbit Allotypic Antigens and Their Corresponding Antibodies. MITSUAKI KAKINUMA ........ 830

IMMUNOPATHOLOGY

Protection against Autoimmune Thyroiditis in Guinea Pigs by Thyroglobulin Antiserum. GORDON C. SHARP, HENRY H. WORTIS, ROBERT L. LAROQUE, HELEN MULLEN, AND MICHAEL KYRIAKOS ........................................ 468

Production of Augmented Experimental Autoimmune Thyroiditis Lesions by Combined Transfer of Antiserum and Lymph Node Cells. GORDON C. SHARP, HELEN MULLEN, AND MICHAEL KYRIAKOS ........................................ 478

Characteristics of Secretory Immune System in Human Middle Ear: Implications in Otitis Media. PHILIP L. OGMA, JOEL M. BURNSTEIN, ANTHONY M. YURCHAK, PETER R. COPPOLA, AND THOMAS B. TOMASI, JR. .............. 488

Cyclic AMP Content and Histamine Release in Rat Mast Cells. ALICE R. JOHNSON, NEIL C. MORAN, AND STEVEN E. MAYER .................................. 511

Activation of Rat Mast Cells by Low Molecular Weight Stimuli. D. C. MORRISON, J. F. ROSER, P. M. HENSON, AND C. G. COCHRANE ....................... 573

Studies on the Species-Variability of Experimental Allergic Encephalomyelitis in Guinea Pigs. ROBERT H. SWANBORG, JAMES E. SWIERKOSZ, AND ROBERT G. SALEG ........................................ 594


Identification of Cells Infiltrating the Minor Salivary Glands in Patients with Sjogren's Syndrome. THOMAS M. CHUSSER, JOHN A. FRANK, AND IRA GREEN .............. 641

Cyclic AMP, ATP, and Reversed Anaphylactic Histamine Release from Rat Mast Cells. MICHAEL KALINER AND FRANK FRANK AUSTEN .............. 644

Lymphocyte Interferon Production and Transformation after Herpes Simplex Infections in Humans. LUCILLE E. RASMUSSEN, GEORGE W. JORDAN, DAVID A. STEVENS, AND THOMAS C. MERIGAN .......................... 728

TUMOR IMMUNOLOGY

Serum Factors in Mammary Neoplasia: Enhancement and Antagonism of Spleen Cell Activity in Vitro Detected by Different Methods of Serum Factor Assay. PHYLLIS B. BLAIR AND MARY ANN LANE ..................... 439

In Vitro Detection of Immune Responses to MTV-Induced Mammary Tumors: Activity of Spleen Cell Preparations from Both MTV-Free and MTV-Infected Mice. PHYLLIS B. BLAIR, MARY ANN LANE, AND MARY J. YANG ........................................ 603

Evidence for Protection against Murine-Sarcoma Virus-Induced Tumors by T Lymphocytes from Immune Animals. REINALD M. GORCZYNSKI ............. 533

Tumor Induction by Immunologically Activated Murine Leukemia Virus: Cellular Immunity Early in the Graft-vs-Host Reaction. NANCY H. RUDLEE, MARTINE Y. K. ARMSTRONG, AND FRANK F. RICHARDS ........................................ 706

VIRAL AND MICROBIAL IMMUNOLOGY

Early Appearance of Sensitized Lymphocytes in Mice Infected with Listeria Monocytogenes. ROLF M. ZINKERNAGEL, ROBERT V. BLANDEN, AND RODNEY E. LANGMAN ........................................ 496

Antisera to Human Cytomegaloviruses Prepared in the Guinea Pig: Specific Immunofluorescence and Complement Fixation Tests. YUNG-TSUN HUANG, ENG-SHANG HUANG, AND JOSEPH S. PAGANO ........................................ 528

Polyribitol-Phosphate: An Antigen of Four Gram-Positive Bacteria Cross Reactive with the Capsular Polysaccharide of H. influenzae Type b. MEIR ARGAMAN, TAT YUNG LUI, AND JOHN B. ROBBINS ...................... 649

Specificity of IgM and IgG Antibodies after Challenge with Antigenically Related Toxogonies. E. G. WESTAWAY, A. J. DELLA-PORATA, AND BVERLEY M. REEDMAN ........................................ 656

Role of T-Lymphocytes in the Primary Humoral Antibody Response to Brucellin. AUDLEY J. TYNOL AND JOSEPH SHUSTER ........................................... 716

The Role of Iron in Nonspecific Resistance to Infection Induced by Endotoxin. RONALD J. ELIN AND SHIELDON M. WOLFF ........................................ 737

COMMUNICATIONS

Tolerance and Contact Sensitivity to DNFB in Mice II. Specific in Vitro Stimulation with a Hapten, 2,4-Dinitrobenzene Sulfonic Acid (DNB SOHNa). PHANUPHAK, JOHN W. MOOREHEAD, AND HENRY N. CLAMAN .......................... 849
Effect of Phytohemagglutinin on Expression of Human Histocompatibility Antigens.
Dharam P. Singal, Valentine R. Villanueva, and Naresh Naipaul .............. 852

Cell Interactions between Histoincompatible T and B Lymphocytes. V. Failure of
Histoincompatible T Cells to Interfere with Physiologic Cooperation between
Syngeneic T and B Lymphocytes. David H. Katz, Toshiyuki Hamaoka, Martin
E. Dorf, and Baruj Benacerraf ........................................ 855

Immunosuppressive Effects of Anti-lymphocyte Serum in Complement Deficient Mice.
II. Evidence That Activity is Mediated by C3 Independent Antibodies. Rolf F.
Barth, Om Singh, and Peter A. Ward ..................................... 858

Human T Lymphocyte Receptors for Sheep Erythrocytes: Conditions for Binding In-
cluding Inhibition by Cytochalasin B. John H. Kersey, Denis J. Hom, and
Peter Buttrick .............................................................. 862

Failure of Terminal Complement Components to Induce Lysis of Moloney Virus
Transformed Lymphocytes. Neil R. Cooper, Margaret J. Colley, and
Michael B. A. Oldstone ...................................................... 866