VOLUME 112 NUMBER 2

THE JOURNAL OF IMMUNOLOGY®

Contents for February

CELLULAR IMMUNOLOGY

Delineation of B and T Lymphoid Cells in the Chicken. Boris Albinì and Georg Wick ......................................................................... 444

The Effect of Anti-Plasma Cell Serum on B Cells. Hideo Naruchi 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. DePamphilis ................................................................. 520


In Vitro Anamnestic Response of Rabbit Lymph Node Cells: Evidence for Cell Collaboration in Induction and Regulation. Abram 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. Lois 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. Papadogiorgiou, Carol F. Sorokin, and Philip R. Glaude ........................................................................... 675

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

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

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. Cran- dall, and Joseph W. Shands, Jr. ........................................................................ 792


The Distribution of Lymphocytes by T- and B-Cell Surface Markers in Human Bone Marrow. Luis Boarella and Luisa Sen ........................................................................... 836

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 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 Autoradiographic 7S Antibody in Sheep. Maria B. Esteves, 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 IgM and IgA Immune Response to the TNP Determinant Group in BALB/c Mice. Peter Mauch, S. H. Bridges, K. D. Little, and J. Russell Little ........................................................................... 812

Downloaded from http://www.jimmunol.org/ by guest on April 21, 2017
IMMUNOGENETICS AND TRANSPLANTATION

Allelic Selection of Light Chain Allotypes by Antibodies Raised in Heterozygous Rabbits. THOMAS J. KINDT .................................................. 601
Antibodies Specific for the α- and Ly-Allotypes in Various Rabbit Antisera. RUTH RABINOWITZ, ADA COHEN, REUVEN LASKOV, AND MICHAEL SCHLEISINGER ......... 683
Cytotoxic Antibodies and Lymphocytes Induced by Orthotopic Tooth Bud Allografts in Mice. GEORGES R. RIVIERE ........................................... 776
Interaction of Complement with Antigen-Antibody Complexes of Rabbit Allootypic Antigens and Their Corresponding Antibodies. MITSUKA 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. PHRAY L. OKA, 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. SAEG ........... 504
Identification of Cells Infiltrating the Minor Salivary Glands in Patients with Sjogren's Syndrome. THOMAS M. CHUSE, JOHN A. MARSH, MICHAEL M. FRANK, AND IRA GREEN .......................................................... 641
Cyclic AMP, ATP, and Reversed Anaphylactic Histamine Release from Rat Mast Cells. MICHAEL KALINER AND K. 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 CORA YANG ................................................................. 603
Evidence for Protection against Murine-Sarcoma Virus-Induced Tumors by T Lymphocytes from Immune Animals. REGINALD M. GORCZYNSKI .......... 533

VIRAL AND MICROBIAL IMMUNOLOGY

Early Appearance of Sensitized Lymphocytes in Mice Infected with Listeria Monocytogenes. ROLF M. ZINKENKEL, ROBERT V. BLANDEN, AND RODNEY E. LANGMAN .................................................. 496
Antiserum to Human Cytomegalovirus 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 Hemophilus influenzae Type b. MEIR ARGAMAN, TCH YUNG LIU, AND JOHN B. ROBBINS .... 649
Specificity of IgM and IgG Antibodies after Challenge with Antigenically Related Toxogonias. E. G. WESTAWAY, A. J. DELLA-PORTE, AND BVERLEY M. REEDMAN .......... 656
The Role of T-Lymphocytes in the Primary Humoral Antibody Response to Brucellin. ANDEL J. THORPE AND JOSEPH SHUSTER ........................................... 716
The Role of Iron in Nonspecific Resistance to Infection Induced by Endotoxin. RONALD J. ELIN AND SHELDON 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·SO4Na). PHANUPHAK, JOHN W. MOORHEAD, AND HENRY N. CLAMAN .......... 849

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 P. Barth, Om Singla, and Peter A. Ward ............................................. 858

Human T Lymphocyte Receptors for Sheep Erythrocytes: Conditions for Binding Including 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