Contents for October

CELLULAR IMMUNOLOGY

An Analysis of the Defective Response of CBA/N Mice to T-Dependent Antigens. CHARLES A. JANEWAY, JR. AND DAVID R. BARTHOLOM.E .......................... 898

IgG-Dependent Clearance of Red Blood Cells in IgG Myeloma Patients. JUAN CARLOS SCORNIK, MARIO CESAR SALINAS, AND BENJAMIN DREWINKO .......... 901

Antigen-Enhanced Glucosamine Incorporation by Peritoneal Macrophages in Cell-Mediated Hypersensitivity. I. Studies on Biology and Mechanism. M. ELIZABETH HAMMOND, SALVATORE S. SELVAGGIO, AND HAROLD F. DvORAK ............................................................... 914

Studies on the Adjunct Effect of Bordetella pertussis Vaccine to Sheep Erythrocytes in the Mouse. I. In vitro Enhancement of Antibody Formation with Normal Spleen Cells. ANTHONY J. MURGO AND THOMAS J. ATHANASSIADIS ................................. 928

Reactivity of Rabbit Antiserum to Guinea Pig Eosinophils. GERALD J. GLEICH, DAVID A. LOEGERING, AND GAIL M. OLSON ........................................ 950

Mouse Effector Functions Involved in the Antibody-Dependent Cellular Cytotoxicity to Xenogeneic Erythrocytes. STEFAN A. COHEN, M. JANE EHHEKE, AND ENRICO MICHICH ............................... 1007

Regulatory Substances Produced by Lymphocytes. II. Lymphotoxin in the Rat. YUZIRO NAMBA AND BYRON W. WAKSMAN ........................................ 1018

Two Novel Stimuli of Cyclic Adenosine 3',5'-Monophosphate (cAMP) in Human Lymphocytes. JOHN P. ATKINSON, H. JAMES WEEDER, AND CHARLES W. PARKER .................................................. 1023

Stimulation of Human Lymphocytes by Galactose-Specific Abrus and Ricinus Lectins. OTTO CLOSS, ERLING SALVESTAD, AND SIBU OLSNES ........... 1045


Carrier-Induced Tolerance to Nucleic Acid Antigens. B. DAVID STOLLAR AND YVES BOREL ........................................................................................................ 1095

The Requirement for Macrophage-Lymphocyte Interaction in T Lymphocyte Proliferation Induced by Generation of Aldheydes on Cell Membranes. DIRK K. GREINER AND ALAN S. ROSENTHAL .................. 932

Inhibition of Macrophage-Lymphocyte Interaction by Cytochalasin B during Antigen Recognition by T Lymphocytes. ALAN S. ROSENTHAL, J. THOMAS BLAKE, AND PETER E. LIPSKY .......................................................... 1135

Temporal Dependence of the Inhibition by Cytochalasin B of Antigen-Initiated Migration Inhibition Factor Production. S. A. BEN SASSON AND ALAN S. ROSENTHAL .................................................. 1140

A Subpopulation of T Cells Bearing Fc Receptors. ANTONY BASTEN, J. F. A. P. MILLER, NOEL L. WARNER, ROBERT ABRAHAM, EUNICE CHIA, AND JENNIFER GAMBLE ................................. 1159

IMMUNOCHEMISTRY

Molecular Restrictions of Anti-DNP Antibodies Induced by (DNP)2-Gramicidin S. PAUL C. MONTGOMERY, JOHN H. ROCKETT, RONALD L. KAHN, AND CHERYL A. SKANDERA .................. 904

Comparison of the Binding Affinities of Rabbit IgG Fractions to the Rabbit Fetal Yolk Sac Membrane: Use of 125I to Facilitate Quantitation of 125I-IgG Binding. DAVID D. TSAY AND MAX SCHLAMOWITZ ........................................ 939

Synthesis but Not Secretion of J Chain by Variant Mouse Myeloma Cells Which Lose α-Chain-Synthesizing Ability. TIMOTHY MOSMANN AND RUEBEN HAMAL .......................... 955

Studies of Surface Immunoglobulins on Human B Lymphocytes. I. Dissociation of Cell-Bound Immunoglobulins with Acid pH at 37°C. KATSU ROYAMA, TOBI ABO, TSUYOSHI SEKIZAKA, AND MUTSUO SASAKI .................................................. 982

Identification and Properties of J Chain Isolated from Catfish Macroglobulin. JIH JI, MIECKSTEIN, ROSE KULHAVY, RALPH E. SCHOFIELD, MILAN TOMAN, AND GENESIS P. WRIGHT .................................................. 993

Peculiar Secretory IgA System Identified in Chickens. II. Identification and Distribution of Free Secretory Component and Immunoglobulins of IgA, IgM, and IgG in Chicken External Secretions. HIROSHI WATANABE, KUNIKO KOBAYASHI, AND YASUBO ISAYAMA ................................. 998

Subfragments of Papain Solubilized TL Antigen. THOMAS H. STANTON, J. CLAUDE BENNET, AND MICHAEL WOLCOTT .................................................. 1013

Mechanism of Complement-Induced Cell Lysis Demonstration of a Three-Step Mechanism of EAC1-S Cell Lysis by C9 and of a Non-Osmotic Swelling of Erythrocytes. GÜNTHER VALENT AND WOLFGANG OPFERKUCH ................................. 1028

Complement Inhibitor(s) Released by Leukocytes. I. Pretreatment of Sheep Erythrocytes with Supernatants of Mouse Spleen and Thymus Cells Inhibit Whole Complement Activity and C2 Utilization. ALAIN BERNARD, LAURENCE BOUMSELL, TIBOR BOHORS, ROBERT A. GOOD, AND NOORIBI K. DAY .................................................. 1087

Complement Inhibitor(s) Released by Leukocytes. III. Evidence for a “New” C1 Inhibitor in the Supernatants of Short-Term Cultures of Mouse Spleen and Thymus Cells. ALAIN BERNARD, LAURENCE BOUMSELL, AND TIBOR BOHORS ................................. 1091

Comparative Studies on Monotypic IgMA and IgGk from an Individual Patient. I. Evidence for Shared VH Idiotype Determinants. JOHN E. HOPPER .................................................. 1101
Interaction of C3b, B, and D in the Alternative Pathway of Complement Activation. ANNE NICHOLSON, VOLKER BLADE, HANS-ULRICH SCHORLEMMER, REINHARD BURGER, DIETER BITTER-SUERMANN, and ULRICH HADDING .......................................................... 1108

IMMUNOGENETICS AND TRANSPLANTATION

Specific Partial Deletion of Graft-vs-Host Activity by Incubation and Centrifugation of Mouse Spleen Cells on Allogeneic Spleen Cell Monolayers. MICHAEL G. MAGE and LOUISE L. MCHUGH ........................................................................ 911

Structural and Genetic Basis of the in Vivo Immune Response to TNP-LPS. DIANE M. JACOBS ................................................................. 988

Analysis of an HLA Antiserum by Iso-Electric Focusing. EMILY G. REISNER, HOWARD M. REISNER, K. S. SU CHUNG, JAMES D. FOLDS, and D. BERNARD AMOS ................................................... 1084

The Influence of Foster Nursing on the Survival and Immunologic Competence of Mice and Rats. WILLYS K. SILVERS and TIMOTHY W. POOLE ................................................................………… 1117

Synergy between Subpopulations of Normal Mouse Spleen Cells in the in Vitro Generation of Cell-Mediated Cytotoxicity Specific for “Modified Self” Antigens. RICHARD J. HODES, KAREN S. HATHCOCK, and GENE M. SHEARER ........................................................................................................ 1122

IMMUNOPATHOLOGY

Genetically Controlled Autologous Immune Complex Glomerulonephritis in Rats. BODO STENGLEIN, GUNTER H. THOENES, and EBEBARD GUNTER .................................................................. 895

Evidence for an Abnormal Microenvironment in the Thyroid of New Zealand Black Mice. MICHAEL J. DAUPHINEE, DONALD W. PALMER, and NORMAN TALAL ........................................................................... 1054

The Effect of Thiol on the Immunologic Release of Slow Reacting Substance of Anaphylaxis. I. Human Lung. ROBERT P. ORANGE and PHAY-LIM CHANG .................................................................................. 1072

Immunologic Properties of Mast Cells from Rats Infected with Nippostronglylus brasiliensis. TERUKO ISHIHAKA, WOLFGANG KÖNIG, MUNETSUGU KURATA, LINDA MAUSER, and KIMISHIGE ISHIHAKA ........................................................................... 1078

The Antibody Response to Myelin Basic Protein (BP) in Lewis Rats: The Effects of Bordetella pertussis. OLIN M. PITTS, VINCENT A. VARITEK, and EUGENE D. DAY ........................................................................ 1114

The Role of Cyclic AMP in the Chemotactic Responsiveness and Spontaneous Motility of Rabbit Peritoneal Neutrophils. The Inhibition of Neutrophil Movement and the Elevation of Cyclic AMP Levels by Catecholamines, Prostaglandins, Thiapryline, and Cholera Toxin. ISRAEL RIVKIN, JOSEPH ROSENBLATT, and ELMER L. BECKER .................................................................................. 1126

Immunity to Toxoplasma gondii Induced In Vitro in Non-Immune Mouse Macrophages with Specifically Immune Lymphocytes. KRISHAN K. SEETH, BERND PELETZ, NAOYOSHI SUZUKI, GERHARD PIEKARSKI, and HENNING BRANDIS .............................................................................. 1151

TUMOR IMMUNOLOGY

Immunosuppression by Spleen Cells from Moloney Leukemia: Comparison of the Suppressive Effect on Antibody Response and on Mitogen-Induced Response. JAN CERNY and RONALD A. STILLER ........................................................................ 943

Complete Local Tumor Regression with Antibody to Fibrin Fragment E. SEYMOUR I. SCHLAGER and SHEDON DRAY ............................................................................ 976

Reactivity of Antihuman Thymocyte Serum with Acute Leukemic Blasts. BONNIE MILLS, LUISA SEN, and LUIS BORELLA .................................................................................. 1038


VIRAL AND MICROBIAL IMMUNOLOGY

Antigenic Determinants of the 70,000 Molecular Weight Glycoprotein of Woolly Monkey Type C RNA Virus. SHIGEO S. HINO, JOHN R. STEPHENSON, and STUART A. AARONSON ........................................................................ 922

Antigenic Analysis of Chlamydiae by Two-Dimensional Immunoelectrophoresis. I. Antigenic Heterogeneity between Chlamydia trachomatis and C. psittaci. HARLAN D. CALDWELL, CHOU-KUO, and GEORGE E. KENNY ....................................................................... 963

Antigenic Analysis of Chlamydiae by Two-Dimensional Immunoelectrophoresis. II. A Trachoma-LGV-Specific Antigen. HARLAN D. CALDWELL, CHOU-KUO, and GEORGE E. KENNY ....................................................................... 969

Immunocytochemical Properties of Streptococcal M Protein Purified by Isoelectric Focusing. MADELEINE CUNNINGHAM and EDWIN H. BEACHEY ........................................................................... 1002

Aleutian Disease of Mink: The Antibody Response to TNP-LPS. DIANE M. JACOBS ........................................................................ 988

Aleutian Disease of Mink: The Antibody Response to TNP-LPS. DIANE M. JACOBS ........................................................................ 988

A. F. TILKINS ........................................................................ 1049

A. F. TILKINS ........................................................................ 1049

Communications

Decrease of Antibody Response in the Offspring of Immunized High Responder Rats. BRIDGET K. DAVIS and THOMAS J. GILL, III ........................................................................ 1166

Lymphocyte Populations of AKR/J mice. III. Changes in the Preleukemic State. MARION M. ZATZ ........................................................................ 1108

Carrier Specificity vs Hapten Specificity in Classical Cell-Mediated Contact Sensitivity to Dinitrochlorobenzene. WILLIAM R. LEVIS, JOHN A. POWELL, and JOHN J. WHALEN ........................................................................ 1170

Human Lymphocyte Alloantigen(s) Similar to Murine H Region-Associated (Ia) Antigens. ROBERT D. ARBEIT, DAVID H. SASCH, D. BERNARD AMOS, and HOWARD B. DICKLER ........................................................................ 1173

Announcements ........................................................................ 1176