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 898
IgG-Dependent Clearance of Red Blood Cells in IgG Myeloma Patients. JUAN CARLOS SCORNIA, 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. DVOBAK 914
Studies on the Adjunctive 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. ATHANASSIADES 928
Reactivity of Rabbit Anti serum 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 EHREK, AND ENRICO MIGNICH 1007
Regulatory Substances Produced by Lymphocytes. II. Lymphotoxin in the Rat. YUZIRO NAMBA AND BYRON H. WAKSMAN 1018
Two Novel Stimuli of Cyclic Adenosine 3',5'-Monophosphate (cAMP) in Human Lymphocytes. JOHN P. ATKINSON, H. JAMES WEDNER, AND CHARLES W. PARKER 1023
Stimulation of Human Lymphocytes by Galactose-Specific Abrus and Ricinus Lectins. OTTO CLOSS, ERLING SALVETO, AND SUUB OLENSE 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 Aldehydes 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-Induced 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. ROCKEY, 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 2Na to Facilitate Quantitation of 125-IgG Binding. DAVID D. TSAY AND MAX SCHLAMOWITZ 939
Synthesis but Not Secretion of J Chain by Variant Mouse Myeloma Cells Which Lose ß-Chain-Synthesizing Ability. TIMOTHY MOSMANN AND RUEBEN HAUMAL 955
Studies of Surface Immunoglobulins on Human B Lymphocytes. I. Dissociation of Cell-Bound Immunoglobulins with Acid pH at 37°C. KATSUO KUMAGAI, TOSHIKAZU KUMAGAI, AND MITSUKO SASAKI 982
Identification and Properties of J Chain Isolated from Catfish Macroglobulin. JIRI MESTECKY, ROSE KULHAVY, RALPH E. SCHROHENLOHER, 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, KUNIHKO KOBAYASHI, AND YASURO ISAYAMA 998
Subfragments of Papain Solubilized TL Antigen. THOMAS H. STANTON, J. CLAUDE BENNETT, 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. GUSTAV TULEMANN AND WOLFGANG OPPERMANN 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 BOHSOS, ROBERT A. GOOD, AND NOORBIBI K. DAV 1087
Complement Inhibitor(s) Released by Leukocytes. II. 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 BOHSOS 1091
Comparative Studies on Monotypic IgMA and IgG6 from an Individual Patient. I. Evidence for Shared IgV H Idiotype Determinants. JOHN E. HOPPER 1101
Interaction of C3b, B, and D in the Alternative Pathway of Complement Activation. ANNE NICHOLSON, VOLKER BRADE, HANS-ULRICH SCHORLLEMMER, REINHARD BURGER, DIETER BITTER-SUERMANN, AND ULRICH HADDDING

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

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

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

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

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

IMMUNOPATHOLOGY

Genetically Controlled Autologous Immune Complex Glomerulonephritis in Rats. BODO STENGLEIN, GUN ther H. THOENES, AND EBERHARD GUNTHER

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

The Effect of Thiols on the Immunologic Release of Slow Reacting Substance of Anaphylaxis. I. Human Lung. ROBERT P. ORANGE AND PUAY-LIM CHANG

Immunologic Properties of Mast Cells from Rats Infected with Nippostrongylus brasiliensis. TERUKO ISHIHAKA, WOLFGANG KONIG, MUNETSUGU KURATA, LINDA MAUSER, AND KIMISHIGE ISHIHAKA

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

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, Thephylline, and Cholera Toxin. ISRAEL RIVKIN, JOSEPH ROSENBLATT, AND ELMER L. BECKER

Immunity to Toxoplasma gondii Induced in Vitro in Non-Immune Mouse Macrophages with Specifically Immune Lymphocytes. KRISHAN K. SEETHI, BEREND PELSTER, NAOYOSHI SUZUKI, GERHARD PIEKARSKI, AND HENNING BRANDIS

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

Complete Local Tumor Regression with Antibody to Fibrin Fragment E. SEYMOUR I. CHUNG, JAMES D. FOLDS, AND EDWIN H. DRAY

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


Biologic Properties of Transplantation Immune Sera. IV. Influence of the Course of Immunization, Dilution and Complexing to Antigen on Enhancing Activity of Ig Classes. H. T. DUC, R. G. KINSKY, J. KANELLIOPOULOS, AND G. A. VOISIN

VIRAL AND MICROBIAL IMMUNOLOGY

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

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

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

Immunochromical Properties of Streptococcal M Protein Purified by Isoelectric Focusing. MADELEINE CUNNINGHAM AND EDWIN H. BEACHY

Aleutian Disease of Mink: The Antibody Response of Sapphire and Pastel Mink to Aleutian Disease Virus. MARSHALL E. BLOOM, RICHARD E. RACE, WILLIAM J. HADLOW, AND BRUCE CHESEBRO

COMMUNICATIONS

Decreased Antibody Response in the Offspring of Immunized High Responder Rats. BRIDGET K. DAVIS AND THOMAS J. GILL, III

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

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

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

Announcements