THE JOURNAL OF IMMUNOLOGY®

Contents for January

CELLULAR IMMUNOLOGY

Characterization of Chemotactic Activity Produced in Vivo by a Cell-Mediated Immune Reaction in the Guinea Pig. ARNOLD E. POSTLETHWAITE AND RALPH SNYDERMAN ................................................................. 274

Niridazole. II. A Potent Long-Acting Supressant of Cellular Hypersensitivities. ADRIEL J. MAHMoud, MARK A. MANDEL, KENNETH S. WARREN, AND LESLIE T. WEBSTER, JR. ........................................................................................................... 279


Antibody Synthesis in Synchronized Mouse Spleen Cells during the Secondary Response to Sheep Erythrocytes in Vitro. DAVID W. THOMAS, WALDEN K. ROBERTS, AND DAVID W. TALMAGE ...................................................................................................................... 343

Blast Transformation of Rabbit B-Derived Lymphocytes by a Mitogen Extracted from Nocardia. C. BONA, L. CREED, C. DAMAS, R. CIORBARU, P. N. SHEK, S. DUBISKI, AND B. CINADER ................................................................. 348

Migration Inhibitory Factor and Type II Interferon in the Circulation of Mice Sensitized with Mycobacterial Components. S. B. SALVIN, E. RIBI, D. L. GRANGER, AND J. S. YOUNGER ...................................................................................................................... 354


Effects of Concanavalin A on the In Vitro Responses of Mouse Spleen Cells to T-Dependent and T-Independent Antigens. DIANE M. JACOBS ................................................................................................. 365

Induction of Theta-Positive Lymphocytes and Lymphoblasts in Mouse Bone Marrow by Mitogens. J. JOHN COHEN AND CONNIE K. PATTERSON ........................................................................................................ 374

Role of the Clotting System in Cell-Mediated Hypersensitivity. II. Kinetics of Fibrinogen/Fibrin Accumulation and Vascular Permeability Changes in Tuberculin and Cutaneous Basophil Hypersensitivity Reactions. ROBERT B. COLVIN AND HAROLD F. Dvorak ........................................................................................................ 377

Activation of Guinea Pig Macrophages by Bacterial Lipopolysaccharide Requires Bone Marrow-Derived Lymphocytes. J. MARK WILSON, DAVID L. ROSENSTREICH, AND JOOST J. OPPENHEIM ........................................................................................................ 388

The Role of Antibody Feedback Inhibition in the Regulation of the Secondary Antibody Response after High and Low Dose Priming. WILLIAM G. GRANTHAM AND FRANK W. FITCH ........................................................................................................ 394

Rosette Formation by Canine Peripheral Blood Lymphocytes. CHARLES A. BOWLES, GORDEN S. WHITE, AND DIANE LUCAS ........................................................................................................ 399

Inhibition of the Primary In Vitro Antibody Response by Interferon Preparations. HOWARD M. JOHNSON, BENNETT G. SMITH, AND SAMUEL BARON ........................................................................................................ 403

An Immunofluorescent Demonstration of Autoantibodies Directed to a Buried Membrane Structure Present in Lymphocytes and Erythrocytes. R. J. WINCHESTER, SHU MAN FU, J. B. WINFIELD, AND H. G. KUNKEL ........................................................................................................ 410

Effects of Bacterial Lipopolysaccharide on the Induction and Expression of Cell-Mediated Immunity. I. Depression of the Afferent Arc. PHILIPPE H. LAGRANGE, GEORGE B. MACKENESS, THOMAS E. MILLER, AND PIERRE PARDON ........................................................................................................ 442

Inhibition of Mitogen Stimulation of Human Peripheral Blood Leukocytes by V. cholerae Enterotoxin. DAVID A. HART AND RICHARD A. FINKElSTEIN ........................................................................................................ 470

Immunoglobulin D Bearing Lymphocytes in Primary Immunodeficiencies. JEAN-LOUIS PREUD'HOMME, JEAN-PIERRE CLAVUEL, AND MAXIME SELIGMANN ........................................................................................................ 481


THYMIC REGENERATION AFTER LETHAL IRRADIATION: EVIDENCE FOR AN INNATHThymic Radiosensitive T Cell Precursor. JULIAN L. KADIS AND ROSS S. BASCH ........................................................................................................ 492

Characterization of Human B Lymphocyte Specific Antigens. YOSHIFUMI ISHI, HIROFUMI KOSHBA, HIROO UENO, IWAKI MAEYAMA, TSUYOSHI TAKAMI, FUMITOISHI IISHIBASHI, AND KOKICHI KIKUCHI ........................................................................................................ 466

A Lectin Model for Unresponsiveness. I. Reversible Effects of High Doses of Concanavalin A on Spontaneous and Induced DNA Synthesis. ALLEN R. CHAVYNET AND DAVID W. SCOTT ........................................................................................................ 470

An Expression for the Calculation of Relative Affinities of Antibody-Ligand Interactions. WILLIAM E. PAUL AND GERALD J. ELFENBEIN ........................................................................................................ 261

Identification and Some Properties of Rat Secretory Component. JEAN-PIERRE VAERMAN, JOSEPH F. HERMANS, AND ANDRE' BECKERS ........................................................................................................ 265

Phylogeny of Complement Components in Non-Human Primates. PETER H. SCHUR, ANNE CONNELLY, AND T. C. JONES ........................................................................................................ 270

IMMUNOCHEMISTRY

An Expression for the Calculation of Relative Affinities of Antibody-Ligand Interactions. WILLIAM E. PAUL AND GERALD J. ELFENBEIN ........................................................................................................ 261

Identification and Some Properties of Rat Secretory Component. JEAN-PIERRE VAERMAN, JOSEPH F. HERMANS, AND ANDRE' BECKERS ........................................................................................................ 265

Phylogeny of Complement Components in Non-Human Primates. PETER H. SCHUR, ANNE CONNELLY, AND T. C. JONES ........................................................................................................ 270
Serum IgE Levels during the Potentiated Reagin Response to Egg Albumin in Rats Infected with Dimeric and Monomeric Forms of HL-A Antigens Solubilized by Detergent. PETER CRESSWELL AND JEFFREY

Complement Receptor in Synchronized Cultures of Human Hematopoietic Cell Lines. PETER PAPENHAUSEN, B-Adrenergic Inhibition of Human T Lymphocyte Rosettes. STANLEY P. GALANT AND ROBERT A. REMO

Enhancement of Nitroblue Tetrazolium Dye Reduction by Leukocytes Exposed to a Component of Complement Prevenion of Calcium Ionophore-Induced Release of Histamine in Rat Mast Cells by Disodium Cromoglyeate. Miero-Radioimmunoassay for Antibodies to Newcastle Disease Virus in the Chicken. GLENN B. CLEI~ND

Spleen Cell-Mediated Cytotoxieity of Hamster Cells Transformed by Herpes Simplex Virus: Evidence for Virus-Effective Immunity to Dental Caries: Protection of Gnotobiotic Rats by Local Immunization with Streptococcus

Immune Specific Production of Interferon by Human T Cells in Combined Maerophage-Lymphocyte Cultures in Thyroiditis. HELEN BRALEY-MULLEN, GORDON C. SHARP, AND MICHAEL KYRAIKOS

Differential Susceptibility of Strain 2 and Strain 13 Guinea Pigs to Induction of Experimental Autoimmune Thyroiditis. HELEN BRALEY-MULLEN, GORDON C. SHARP, ANn MICHAEL KYRAIKOS

IMMUNOPATHOLOGY
Adoptive Transfer of Experimental Allergic Encephalomyelitis (EAE): Prevention of Successful Transfer by Treatment of Donors with Myelin Basic Protein. BERNARD F. DRISCOLL, MARIAN W. KIES, AND ELIS-THOMAS C. MERIGAN

Increased Immunologic Reactivity between Human Glomerular Basement Membrane and Group A Type 12 Streptococcal Cell Membrane after Carbohydrase Treatment. WILLIAM T. BLUE AND CHARLES F. Lange

TUMOR IMMUNOLOGY
Macrophages Activated in Viro with Lymphocyte Mediators Kill Neoplastic but Not Normal Cells. WILLY F. PIERSSENS, W. HALLOWELL CHURCHILL, JR., AND JOHN R. DAVID

Spleen Cell-Mediated Cytotoxicity of Hamster Cells Transformed by Herpes Simplex Virus: Evidence for Virus-Specific Membrane Antigen. ROBERT N. LAUSCH, CONSTANCE JONES, DIANE CHRISTIE, KATHLEEN A. HAY, AND FRED RAPP

VIRAL AND MICROBIAL IMMUNOLOGY
Effective Immunity to Dental Caries: Protection of Gnotobiotic Rats by Local Immunization with Streptococcus mutans. JERRY R. McGHEE, SUZANNE M. MICHALEK, JERRY WEBB, JUAN M. NAVIA, A. F. R. RHAMAN, AND DONALD W. LEGLER

Immunohematology of an Acidic Antigen Isolated from a Staphylococcus aureus. W. W. KARAKAWA AND J. A. KANE

Micro-Radioimmunoassay for Antibodies to Newcastle Disease Virus in the Chicken. GLENN B. CLELAND, DANIEL Y. E. PERET, AND PETER B. DENT

Immune Specific Production of Interferon by Human T Cells in Combined Macrophage-Lymphocyte Cultures in Response to Herpes Simplex Antigen. MARTY J. VALLE, ARTHUR M. BOBROVE, SAMUEL STROBER, AND THOMAS C. MERIGIAN

COMMUNICATIONS
β-Adrenergic Inhibition of Human T Lymphocyte Rosettes. STANLEY P. GALANT AND ROBERT A. REMO

Prevention of Calcium Ionophore-Induced Release of Histamine in Rat Mast Cells by Disodium Cromoglycante. HERBERT G. JOHNSON AND MICHAEL K. BACH

Enhancement of Nitroblue Tetrazolium Dye Reduction by Leukocytes Exposed to a Component of Complement in the Absence of Phagocytosis. IRA M. GOLOSTIN, FRED FEIT, AND GERARD WEISSMANN

Complement Receptor in Synchronized Cultures of Human Hematopoietic Cell Lines. PETER PAPENHAUSEN, PHOTINI PAPAGEORGIOU, AND KURT HIRSCHBORN

Serum IgE Levels during the Potentiated Reagin Response to Egg Albumin in Rats Infected with Nippostrongylus brasiliensis. DENNIS CARSON, HENRY METZGER, AND KURT J. BLOCH

Dimeric and Monomeric Forms of HL-A Antigens Solubilized by Detergent. PETER CRESSWELL AND JEFFREY R. DAWSON

Suppression of Maternal Responsiveness to Paternal Antigens by Maternal Plasma. HOBART PENCE, WILLIAM M. PETTY, AND ROSS E. ROCKLIN