THE JOURNAL OF IMMUNOLOGY®

Contents for February

CELLULAR IMMUNOLOGY

Transformation Antigens on Stimulated Lymphocytes. AYRUM Z. BLUMING, MICHAEL J. LYNCH, MAUREEN KAVANAUGH, AND RAMAN KUHROY ............................................................. 717

Suppression and Enhancement of the T-Cell Dependent Production of Antibody to SRBC in Vitro by Bacterial Lipopolysaccharide. MICHAEL K. HOFFMANN, OPHELIA WEISS, SCOTT KOENIG, JOHN A. HIRSCH, AND HERBERT F. OETTGEN ................................................................. 738

Synergetic Effects on DNA Synthesis of Phytohemagglutinin or Concanavalin A and Lipopolysaccharide in Human Peripheral Blood Lymphocytes. JON A. SCHMIDTKE AND JOHN S. NAZARIAN ................................................................. 742

Functional Heterogeneity among the T-Derived Lymphocytes of the Mouse. II. Sensitivity of Subpopulations to Anti-Thymocyte Serum. BARBARA A. ARANE, PHILLIPPA C. MARRACK (HUNTER), AND JOHN W. KAPPLER ................................................................. 747

Thyroglobulin-Binding Lymphoid Cells in Obese Strain (OS) Chickens. E. RICHTER AND G. WICK ................................................................. 757

Antibody Dependent Cytolysis of Chicken Erythrocytes by an in Vitro-Established Line of Mouse Peritoneal Macrophages. WILLIAM S. WALKER AND ANNMARIE DEMUS ................................................................. 765

Immunologic Properties of Bacterial Lipopolysaccharide (LPS): Correlation between the Mitogenic, Adjuvant, and Immunogenic Activities. BARRY J. SKIDMORE, JACQUES M. CHILLER, DAVID C. MORRISON, AND WILLIAM O. WEIGLE ................................................................. 770

The Suppressive Effect of Immunization on the Proliferative Responses of Rat T Cells in Vitro. JERRY A. BASH AND BYRON H. WARKSMA ................................................................. 782

Effect of Polycations and Polyanions on Behavior of Sheep Red Blood Cell Rosettes of Human Lymphocytes. DAVID TAI-YAN YU AND CARL M. PEARSON ................................................................. 788

The Modulation of Spontaneous and Anti-Ig-Stimulated Motility of Lymphocytes by Cyclic Nucleotides and Adrenergic and Cholinergic Agents. GEORGE F. SCHREINER AND EMIL R. UNANUE ................................................................. 802

Anti-Ig-Triggered Movement of Lymphocytes—Specificity and Lack of Evidence for Directional Migration. GEORGE F. SCHREINER AND EMIL R. UNANUE ................................................................. 809

Suppression of Reaginic Antibody Formation. I. Induction of Hapten-Specific Tolerance. WENG Y. LEE AND ALEC H. SEHON ................................................................. 829

Suppression of Reaginic Antibody Formation. II. The Use of Adoptive Transfer System for the Study of Immunologic Unresponsiveness. WENG Y. LEE AND ALEC H. SEHON ................................................................. 837

Anti-Dinitrophenyl Antibody Production in Strain 13 Guinea Pigs Fed or Sensitized with Dinitrochlorobenzene. ROBERT T. REESE AND JOHN J. CEBA ................................................................. 863

Induction of Tolerance to Nucleic Acid Determinants by Administration of a Complex of Nucleoside d-Glutamic Acid and d-Lysine (D-GL). ZELIG ESHRIT, BARTJ BENACERRAF, AND DAVID H. KATZ ................................................................. 872

Maturation of B Lymphocytes in the Rat. II. Subpopulations of Virgin B Lymphocytes in the Spleen and Thoracic Duct Lymph. SAMUEL STROBER ................................................................. 877

IMMUNOCHEMISTRY

Anti-Receptor Antibody. I. Isolation and Characterization of the Immunoglobulin Receptor for Phosphocholine. DAVID S. STRAYER, ELLEN S. VITETTA, AND HEINZ KOHLER ................................................................. 722

Anti-Receptor Antibody. II. Induction of Long-Term Unresponsiveness in Neonatal Mice. DAVID S. STRAYER, WILLIAM M. F. LEE, DONALD A. ROWLEY, AND HEINZ KOHLER ................................................................. 728

The Effect of Fluorescein Conjugation on Fc-Dependent Properties of Rabbit Antibody. SCOTT G. TIMASHER, RALPH M. KAMINSKI, AND CHARLES W. DEWITT ................................................................. 776

Human C3 and C5: Subunit Structure and Modifications by Trypsin and C42-C423. ULF R. NILSSON, ROBERT T. MANDEL, JR., AND JULIA A. MCCONNELL-MAPES ................................................................. 815

Mechanism of Action of Concanavalin A on Human Basophils. REUBEN P. SIRAGANIAN AND PATRICIA A. SHIRAGANIAN ................................................................. 886

IMMUNOGENETICS AND TRANSPLANTATION

Rat Cell Surface Antigens. I. Isolation and Partial Characterization of an Ag-B Antigen. GERALD N. CALLAHAN AND CHARLES W. DEWITT ................................................................. 776

Rat Cell Surface Antigens. II. Isolation of a Minor Histocompatibility Antigen. GERALD N. CALLAHAN AND CHARLES W. DEWITT ................................................................. 779


Ly-4.2: A Cell Membrane Antigen of Murine B Lymphocytes. II. Functional Studies. IAN F. C. MCKENZIE ................................................................. 856

IMMUNOPATHOLOGY

Comparison of the Ocular Effects of Circulating Endotoxin and Immune Complexes: Role of Vasoreactive Amines. EDWARD L. HOWES, JR., AND DONALD G. MCKAY ................................................................. 734

The Antigenicity of Myelin Encephalitogenic Protein: Production of Antibodies to Encephalitogenic Protein with Deoxyribonucleic Acid-Encephalitogenic Protein Complexes. JOHN N. WHITAKER ................................................................. 823

Two Distinct Chemotactic Factor Inactivators in Human Serum. GERALD TILL AND PETER A. WARD ................................................................. 843
TUMOR IMMUNOLOGY

The Effect of Plasmacytomas on Serum Immunoglobulin Levels of BALB/c Mice. MARILYN R. FENTON AND H. FRANCIS HAVAS .......................................................... 793

Identification of Macrophage-Like Characteristics in a Cultured Murine Tumor Line. HILLEL S. KOREN, BARRY S. HANDWERGER, AND JOHN R. WUNDERLICH .................................................. 894

Reticulum Cell Sarcoma: An Effector Cell in Antibody-Dependent Cell-Mediated Immunity. PETER RALPH, JOHN PRICHARD, AND MELVIN COHN ................................................................ 898

VIRAL AND MICROBIAL IMMUNOLOGY

The Interferon Refractory State. II. Biologic Characterization of a Refractoriness-Inducing Protein. ERNEST C. BORDEN, EDWARD V. PROCHOWNIK, AND WILLIAM A. CARTER ........................................... 752

COMMUNICATIONS

Phenotypic Correction of Low Reagin Production, A Genetic Defect in the SJL Mouse. V. S. SASTRY GOLLAPUDI AND LEON S. KIND ............................................................. 906

Sensitive Detection of Immunoglobulin Light and Heavy Chains on Rabbit Lymphocytes by Antibody-Coated Erythrocytes. GIUSEPPE A. MOLINARO, BEVERLEY A. BESSINGER, ALICE GILMAN-SACHS, AND SHELDON DRAK ...................................................................................... 908

Constant-Region Cysteine-Containing Peptides of b4 and b9 Rabbit k-chains Isolated by a New Diagonal Mapping Procedure. ROBERT M. GOODFLIESH .......................................................... 910