THE JOURNAL OF IMMUNOLOGY®

Contents for June

CELLULAR IMMUNOLOGY

The Macrophage Receptor for IgG: Number and Affinity of Binding Sites. WILLIAM P. AREND AND MART MANNIK .......................................................... 1455

Physical Properties of Mouse Spleen Cells Involved in the Mixed Leukocyte Reaction and Graft-vs-Host Disease. M. O. EL-ARINI AND DAVID OSORA .................................................. 1476

Histamine and Basophils in Delayed-Type Hypersensitivity Reactions. MAURY A. GOLDMAN, BLANCHE A. SIMPSON, AND HAROLD F. DVORAK ..................... 1511

Release of Surface Receptors from Lymphocytes. G. JONES ........................................ 1526

Stimulation of in Vitro Antibody Responses to Sheep Red Cells by Thymus Cells Activated to Histocompatibility Antigens. DOUGLAS C. VANN AND PETER C. GALLOWAY .................................................. 1542

Corneal Immune Response to Herpes Simplex Virus Antigens. ROBERTA L. MYERS AND THOMAS H. PETTIT .......................................................... 1575

Age-Dependent Changes in Sensitivity to Antigen in the Mouse. E. S. RECTOR AND B. G. CARTER ........................................................................... 1591

Prevention of MIF Activity by Agents Known to Increase Cellular Cyclic AMP. WILLIAM J. KOOPMAN, MARCIA H. GILLIS, AND JOHN R. DAVID ............................................. 1609

Lymphocyte Populations: Separation by Discontinuous Density Gradient Centrifugation. DAVID TAK YAN YU, JAMES B. PETER, HAROLD E. PAULUS, AND HERBERT I. MACHELDER ................................................... 1615

Guinea Pig Lymphotoxin (LT). I. In Vitro Studies of LT Produced in Response to Antigen Stimulation of Lymphocytes. STEVEN A. ROSENBERG, MARGARET HENRICHON, JOHN A. COYNE, AND JOHN R. DAVID ........................................... 1623

Guinea Pig Lymphotoxin (LT): II. Physicochemical Properties of LT Produced by Lymphocytes Stimulated with Antigen or Concanavalin A: Its Differentiation from Migration-Inhibitory Factor (MIF). JOHN A. COYNE, HEINZ G. REMOLD, STEVEN A. ROSENBERG, AND JOHN R. DAVID ............................................. 1630

The Use of Column-Bound 3 Lymphocytes for Absorption of Antisera to T Lymphocyte Antigens. LESLIE HUDSON AND BERNICE PHILLIPS ........................................... 1663

Cytotoxicity Mediated by Human Lymphocyte-Dependent Antibody in a Rapid Assay with Adherent Target Cells. ISRAEL YUST, JOHN R. WUNDERLICH, DEAN L. MANN, AND DONALD N. BUELL ........................................... 1672

IMMUNOCHEMISTRY

Biosynthesis and Secretion of Antibody by Chicken Lymphoid Cells. YONG SUNG CHOI AND ROBERT A. GOOD ........................................................................ 1485

Protein A from Staphylococcus aureus. XIV. The Effect of Nitration of Protein A with Tetranitromethane and Subsequent Reduction. INGVAR SJÖHOLM, ANDERS BJERKÉN, AND JOHN SJÖQUIST .................................................................................. 1562


On the Nature of the Presumed Receptor for IgE on Mast Cells. I. The Effect of Sialidase and Phospholipase C Treatment on the Capacity of Rat Peritoneal Cells to Participate in IgE-Mediated, Antigen-Induced Histamine Release in Vitro. MICHAEL K. BACH AND JOHN K. BRASHLER ............................................. 1599

The Molecular Classes of Two Homocytotropic Antibodies in the Mouse. HARVEY A. SCHWARTZ AND BERNARD B. LEVINE .................................................. 1638

Effect of the Carrier Protein on Idiotype Specificities of Antihapten Antibodies Produced in an Inbred Strain of Mice. AI-LAN WANG AND ALFRED NISONOFF ........................................................................ 1646

Immunochemical Study of Group A Streptococcus Peptidoglycan Solubilized by B M Urea. ISRAEL GOLDSTEIN, RENÉ CARAVANO, AND JANINE PARLEBAS ............................................. 1667

Binding and Vesiculation of Rabbit IgG by Rabbit Yolk Sac Membrane. S. SONODA, T. SHIGEMATSU, AND M. SCHLAMOWITZ .......................................................... 1682

IMMUNOGENETICS AND TRANSPLANTATION

Acute Destruction by Humoral Antibody of Rat Skin Grafted to Mice. CONRAD A. BALDAMUS, IAN F. C. McKENZIE, HENRY J. WINN, AND PAUL S. RUSSELL ........................................................................ 1532

The Effect of Gm (23) on the Concentration of IgG2 and IgG4 in Normal Human Serum. ARTHUR G. STEINBERG, ANDREAS MORELL, FRANTISEK SKVARIL, AND ERNA VAN LOGHEM .................................................. 1642

Continued
Contents continued

Mechanism of Allograft Rejection in New Zealand Mice. I. Cell Synergy and Its Age-Dependent Loss. MICHAEL C. GELFAND AND ALFRED D. STEINBERG .................. 1652

Masking of Cellular Histocompatibility Antigens with Phytomitogens. PRASANTA K. RAY AND RICHARD L. SIMMONS ......................... 1693

IMMUNOPATHOLOGY
Ontogeny of the Release and Reactivity to the Mediators of IgE-Induced Acute Allergic Reactions in the Rabbit: The Homologous PCA Reaction. ANIKO L. MENG, R. NEAL PINCKARD, AND MARILYN HALONEN .......... 1554

TUMOR IMMUNOLOGY
Retention of Lymphocyte Characteristics by Myelomas and \( \theta^+ \)-Lymphomas: Sensitivity to Cortisol and Phytohemagglutinin. PETER RALPH .................. 1470

VIRAL AND MICROBIAL IMMUNOLOGY
Antibodies to TRIC Agents in Matched Human Tears and Sera. LAVELLE HANNA, ERNEST JAWETZ, ODEON BRIONES, H. BRUCE OSTLER, HERMINE KESHISHYAN, AND CHANDLER R. DAWSON .......... 1464

The Kinetics of the Serum Immunoglobulin Response of Rabbits to the Capsular Poly saccharide Antigen of Gaffkya tetragena. GEORGE H. G. EISENBERG, JR. AND BOB S. ROBERSON .......... 1492

A \( ^{31} \)Cr Microassay Technique for Cell-Mediated Immunity to Viruses. RUSSELL W. STEELE, SALLY A. HENSEN, MONROE M. VINCENT, DAVID A. FUCILLO, AND JOSEPH A. BELLANTI .......... 1502

Immunity to Chlamydial Infections of the Eye. I. The Role of Circulatory and Secretory Antibodies in Resistance to Reinfection with Guinea Pig Inclusion Conjunctivitis. EDWARD S. MURRAY, LAURA T. CHARBONNET, AND A. BRUCE MACDONALD .......... 1518

COMMUNICATIONS
Encephalitogenic Activity of Peptides from the Smaller Basic Protein of Rat Myelin. P. R. DUNKLEY, A. S. COATES, AND P. R. CARNEGIE .......... 1699

Rapid Identification of Beta Hemolytic Streptococci by Counterimmunoelectrophoresis. ADNAN S. DAJANI .......... 1702

Evidence for the Domain Hypothesis: Location of the Site of Cytophilic Activity toward Guinea Pig Macrophages in the C3b Homology Region of Human Immunoglobulin G1. DAVID YASMEEN, J. R. ELLERSON, K. J. DORRINGTON, AND R. H. PAINTER .......... 1706

Thymus Dependency of Antibody-Mediated Helper Effect. RAYMOND A. McBRIDE AND LOUIS W. SCHIERMAN .......... 1710

ERRATUM
In “Immunity in Experimental Syphilis. VI. Successful Vaccination of Rabbits with Treponema pallidum, Nichols strain, Attenuated by \( \gamma \)-Irradiation” by James N. Miller in the May 1973 issue of the Journal of Immunology, Volume 110, Number 5, p. 1210, line 3 of the left hand column should read “evidenced by an average delay of 21.7 days” instead of “evidenced by an average delay of only 4.2 days.”