IMMUNOCHEMISTRY

Limited Heterogeneity of Antibodies against the Para-Azobenzoate (Xp) Hapten. DONALD R. HOFFMAN, ALLAN L. GROSSBERG AND DAVID PRESSMAN ............. 325


Antigen Recognition and the Immune Response: The Capacity of L-Tyrosine-Azobenzeneazotate to Serve as a Carrier for a Macromolecular Hapten. SEFIK S. ALKAN, DANUTA E. NITECKI AND JOEL W. GOODMAN ........................... 353

Lack of Antibody Activity in Human Myeloma Proteins. T. J. YOO AND EDWARD C. FRANKLIN ........................................................ 365

Rabbit Secretory IgA. I. Isolation of Secretory Component after Selective Dissociation of the Immunoglobulin. JOSE A. O'DALY AND JOHN J. CEBRA .............. 436

Rabbit Secretory IgA. II. Free Secretory Component from Colostrum and Its Specific Association with IgA. JOSE A. O'DALY AND JOHN J. CEBRA ........................ 449

Association of Polypeptides with Ribonucleic Acid. I. Effect of Charge of the Polypeptide and Immunologic Nature of the Animal. MARIANNE L. EGAN, ROBERT D. SMYTH and PAUL H. MAURER ................................................................. 540

Immunochernical Studies on Bovine Carboxypeptidases A. KENNETH AMIRAIAN AND THOMAS H. PLUMMER, JR ..................................................... 547


Distribution of H-2 Alloantigenic Specificities on Radiolabeled Papain-Solubilized Antigen Fragments. SUSAN E. CULLEN AND STANLEY G. NATHENSON ......... 563

IMMUNOGENETICS

Genetic Control of Immune Responsiveness to Limiting Doses of Proteins and Hapten Protein Conjugates in Guinea Pigs. IRA GREEN AND BARUJ BENACERRAF ........ 374

The PLL Gene and Histocompatibility Genotype in Inbred and Random-Bred Guinea Pigs. LEONARD ELLMAN, IRA GREEN AND BARUJ BENACERRAF ................. 382

Recessive Inheritance of Rapid Anti-Allotype Antibody Production. BERENICE KINDRED AND EBERHARD WEILER ......................................................... 389

An Efficient Method for Isolation of HLA Antigens from Hematopoietic Cell Lines. Y. MIYAKAWA, N. TANIGAKI, Y. YAGI AND D. PRESSMAN ................. 394

HL-A Antigens from Hematopoietic Cell Lines: Molecular Size and Electrophoretic Mobility. N. TANIGAKI, Y. MIYAKAWA, Y. YAGI AND D. PRESSMAN ........... 402

The Immunologic Response to Xenografts. Recognition of Mouse H-2 Histocompatibility Antigens by the Rat. DAVID H. SACHS, HENRY J. WINS AND PAUL S. RUSSELL ......................................................... 409

CELLULAR IMMUNOLOGY

Macrophage-Antigen Interaction: Uptake, Metabolism and Immunogenicity of Foreign Albumin. JON R. SCHMIDTKE AND EMIL R. UNANUE ................... 331

Inability of the NZB/NZW F1 Thymus to Transfer Cyclophosphamide-Induced Tolerance to Sheep Erythrocytes. MICHAEL E. JACOBS, JOYCE KAY GORDON AND NORMAN TALAL ................................................................. 359

Surface Immunoglobulins on Mouse Lymphoid Cells. ARTHUR D. BANKHURST AND NOEL L. WARNER ................................................................. 368

The Influence of Transfusions from Unrelated Donors upon Marrow Grafts between Histocompatible Canine Siblings. RAINER STORR, ROBERT H. RUDOLPH, THEODORE C. GRAHAM AND E. DONNALL THOMAS .................. 408

The Third Cell Type Required for the Immune Response of Spleen Cells in Vitro. HUMBERTO COSENZA, LEE D. LESERMAN AND DONALD A. ROWLEY ............ 414

Morphologic Changes in Draining Lymph Nodes and in Lymphocyte Cultures after Sensitization with Complete or Incomplete Freund's Adjuvant. Correlation with Immunologic Events in Vivo and in Culture. ANN M. DVORKOV, ROBERT C. BAST, JR., AND HAROLD F. DVORKOV ......................... 422

In Vitro Studies of the Response of Hamster Lymphocytes to Phytohemagglutinin and Antigenic Stimulation. GERALD W. FERNALD AND RICHARD S. METZGAR .......................... 456

The Immunosuppressive Effects of Rauscher Leukemia Virus upon Spleen Cells Cultured in Cell-Impermeable Diffusion Chambers. II. Effects Upon IgM and IgG Immunologic Memory and on Response to Phytohemagglutinin and Stimulation with Allogeneic Cells. LUIS BORELLO ................................. 464

Role of the Bursa of Fabricius in IgG and IgM Production in the Chicken: Evidence
Contents Continued

for The Role of a Non-Bursal Site in the Development of Humoral Immunity. 
K. G. LERNER, B. Glick and F. C. McDUFFIE ........................................ 493
Alterations in the Kinetics of Hemagglutinin Formation following Embryonic Bursectomy. 
EDWARD J. MOTICKA and PIERSON J. VAN ALLEN .............................. 512
Recovery of the Antigen Retention Mechanism after Sublethal X-Irradiation in Mice Receiving Cells from Various Sources. 
P. NETTESHEIM and ANNA S. HAMMONS ........................................... 518
Effect of Antimacrophage Serum on Hypersensitivity (Schistosoma mansoni Egg) and Foreign Body (Divinyl-Benzene Copolymer Bead) Granulomas. 
D. L. BOROS and K. S. WARREN .................................................... 534
Regulation of Homocytotropic Antibody Formation in the Rat. IV. Effects of Various Immunosuppressive Drugs. 
MASARU TANIGUCHI and TOMIO TADA ............................................ 579

IMMUNOPATHOLOGY

Biopolymer Membrane: A Model System for the Study of The Neutrophilic Leukocyte Response To Immune Complexes. 
DAVID HAWKINS ............................................................................. 344
Streptococcal Related Glomerulonephritis. III. Glomerulonephritis in Pregnant Monkeys Immunologically Induced Both Actively and Passively with a Soluble Fraction from Nephritogenic Streptococcal Proteolamin Membranes. 
A. S. MARKOWITZ, DONALD HORN, C. ASERON, ROBERT NOVAK AND H. A. BATTIFORA .......... 504
Tumor Immunity in Hamsters Immunized with Fetal Tissues. 
In Vitro Studies of the Human Response to Organ Allografts: Appearance and Detection of Circulating Activation Lymphocytes. 
EVAN M. HERSH, WILLIAM T. BUTLER, ROGER D. ROSSEN, ROBERT O. MORGAN and WADI SUKI ........ 571

MICROBIAL AND VIRAL IMMUNOLOGY

The Role of Complement in the Phagocytosis of Candida Albicans by Mouse Peripheral Blood Leukocytes. 
REMO MORELLI and LEON T. ROSENBERG ........................................ 476

COMMUNICATIONS

Inhibition of Histamine and SRS-A From Monkey Lung Tissue by Chlorophenesin. 
A. MALLEY and L. BaeCHER ............................................................ 586
Renal Tubular Disease and Autoantibodies against Tubular Basement Membrane Induced in Guinea Pigs. 
RAYMOND W. STEBLAY and ULRICH RUDOF SKY .................................. 589
The Immunosuppressive Effect of Rabbit Anti-Mouse Macrophage Serum. 
ABDALLAH M. ISA ........................................................................ 595
Long-Term Reconstitution of Bursectomized Chickens. 
W. A. CAIN and L. A. DAVID .......................................................... 598
Combined Effect of Phytohemagglutinin and Antithymocyte Serum on Skin Xenograft Survival in Mice. 
C. M. C. CHEN, C. F. CHUNG and L. C. TSAI ...................................... 601
Localization of Immunoglobulins in Human Prostatic Tissue. 
R. J. ABLIN, M. J. GONDER and W. A. SOANES .................................. 603
Method of Serum IgA Isolation. 
J. MESTECKY, R. KULHAVY and F. W. KRAUS .................................. 605
A Simplified Method for Measuring Human IgE. 
YOSOLINA M. CENTIFANTO and HERBERT E. KAUFMAN ...................... 608
The Role of Cytolytic Activity of Lymphocytes. 
CHRISTOPHER S. HENNEY and LAWRENCE M. LICHTENSTEIN ............ 610
A Rapid Method for Direct HL-A Typing of Cultured Lymphoid Cells. 
SOLDANO FERRONE, MICHELE A. PELLEGRINO and RALPH A. REISFELD .............. 613