Contents for January

CELLULAR IMMUNOLOGY

Decline in Suppressor T Cell Function with Age in Female NZB Mice. David R. Barthold, Susan Kysela, and Alfred D. Steinberg .......................................................... 9

Enzymatic Enhancement of Cell-Mediated Cytotoxicity and Antibody-Dependent Cell Cytotoxicity. Eli Kedar, Manuel Ortiz de Landazuri, and John L. Fahey 26

Comparative Studies of Immunoglobulin Receptors and Antibody-Dependent Cell Cytotoxicity (ADCC) in Rat Lymphoid Organs. Eli Kedar, Manuel Ortiz de Landazuri, and John L. Fahey .......................................................... 37

Stimulation of Early Protein Synthesis as an Assay of Immune Reactivity: Analysis of the Cells Responding to Mitogens and Alloantigens. Regina M. Gorczynski and Marvin B. Rittenberg 47


Separation of T and B Lymphocytes and Their Role in the Mixed Lymphocyte Reaction. Harald V. Bohmmer 70

Thymus Dependent (T) Lymphocytes in the Rat. Charles M. Balch and Joseph D. Feldman 79

Origin and Development of Rat Thymus-Dependent (T) Lymphocytes. Charles M. Balch and Joseph D. Feldman .......................................................... 87


The Cellular Basis for Tolerance or Immunity to Bovine γ-Globulin in Mice. Saroj Das and Sidney Leskowitz 107

Tolerance and Contact Sensitivity to DNFB in Mice. I. In Vivo Detection by Ear Swelling and Correlation with in Vitro Cell Stimulation. Praphan Phanuphak, John W. Moorhead, and Henry N. Claman 115

Effect of PPD on the Specific Immune Response to Heterologous Red Cells in Vitro. J. Miguel Kreisler and Göran Möller 151

The Molecular Dimensions of Guinea Pig Lymphotoxin. Maurice K. Gately and Manfred M. Mayer 168


The Percentage of Monocytes among “Mononuclear” Cell Fractions Obtained from Normal Human Blood. Dorothea Zucker-Franklin, Donald E. Mosier, and Sidney Leffler 234

Antigen Binding Thymic Lymphocytes: Specific Binding of Soluble Antigen Molecules and Quantitation of Surface Receptor Sites. Howard D. Engers and Emil R. Unanue 293

Ontogeny of Mouse Lymphocyte Function. I. Paradoxical Elevation of Reactivity to Alloimmune Cells and Phytohemagglutinin in BALB/c Fetal Thymocytes. Donald E. Mosier 305

Decreased Response of Cultured New Zealand Mouse Spleen Cells to Sheep Erythrocytes. Candace McCombs, Joanne Hom, Norman Talal, and Robert I. Mitchell 326


Macrophage Control of Time Dependent Changes in Antigen Sensitivity of Immune T Lymphocyte Populations. Benjamin E. Cohen and William E. Paul 359

Membrane Receptors and in Vitro Responsiveness of Lymphocytes in Human Immunodeficiency. Richard I. Schiffy, Rebecca H. Buckley, Richard B. Gilbertsen, and Richard S. Metzgar 376

Induction of Tolerance to Coccidioidin in Newborn Guinea Pigs. Ali Bin Ibrahim 387

Regulation of the Antibody Response to Type III Pneumococcal Polysaccharide. II. Mode of Action of Thymic-Derived Suppressor Cells. Philip J. Baker, Philip W. Stashak, Diana F. Amsbaugh, and Benjamin Prescott 404

IMMUNOCHEMISTRY

Rate of Hemolytic Antibody Production by Single Cells in Vitro in Rabbits. Robert E. Conrad and Joseph S. Ingraham .......................................................... 17

The Utilization of Properdin in the Alternate Pathway of Complement Activation: Isolation of Properdin Converatse. Ann E. Stitziel and Roger E. Spitzer 56

The Hapten-Binding Region of Protein 400. Sequence of a Sulphydryl-Containing Heavy Chain Peptide Which Affects Menadione Binding. Peter Jackson and Francis J. Richards 96

Immunochromic Studies on Blood Groups. LVI. Purification of Glycoproteins with Different I Determinants from Hydatid Cyst Fluid and from Human Milk on Insoluble Anti-I Immunoadsorbents. Ten Feizi and Elvin A. Kabat 145

Human J Chain. Isolation and Molecular Weight Studies. Yoon Se Kang, Nicholas J. Calvianco, and Thomas B. Tomasi, Jr. 162

The Association of J Chain with the Fc Region of Human IgM. Franklin P. Inman and Manuel J. Ricardo, Jr. 229

Lymphocyte Plasma Membranes: I. Characterization of an Antigenic Plasma Membrane Constituent on Rat Thymus Cells. Barry Zimmerman 249


Isolation and Characterization of the Proenzyme Form of the Cls Subunit of the First Complement Component. Gunter Valet and Neil R. Cooper 339

IMMUNOGENETICS AND TRANSPLANTATION

Properties of Rabbit Anti-Rat Epidermal Cell Sera. Demonstration of Tissue-Specific Differentiation Antigens. Kenneth O. Lloyd and Tukaram V. Darnule 311

IMMUNOPATHOLOGY

Immunopathology of the Renal Complications of Babesiosis. C. R. Annable and P. A. Ward 1


Induction of Experimental Autoallergic Sialadenitis. Stuart C. White and George W. Casarett 178


Stimulation of Phagocytic Release of Neutral Protease from Human Neutrophils by Cholinergic Amines and Cyclic 3',5'-Guanosine Monophosphate. Louis J. Ignarro 210


Specificity of Autoantibodies to Tubular and Glomerular Basement Membranes Induced in Guinea Pigs. David H. Lehman, Hans Marquardt, Curtis B. Wilson, and Frank J. Dixon 241

Immunofluorescence Studies on Thymocytotoxic Antibody from New Zealand Black Mice. Leroy M. Parker, Thomas M. Chused, and Alfred D. Steinberg 285

Autoantibodies in NZB Mice Detected by Lysis of DBA/2 Lymphoma Cells. Ignaz O. Auer, Thomas B. Tomasi, Jr., and Felix Milgrom 320


Successful Treatment of Experimental Allergic Encephalomyelitis (EAE) in Guinea Pigs with Homologous Myelin Basic Protein. Bernard F. Driscoll, Marian W. Kies, and Ellsworth C. Alvord, Jr. 392

TUMOR IMMUNOLOGY

β2-Microglobulin Production in Vitro by Human Hematopoietic, Mesenchymal and Epithelial Cells. Per-Eric Ervin and Kenneth Nilsson 137

VIRAL AND MICROBIAL IMMUNOLOGY


The Effect of Metabolic Inhibitors and Hydroxylamine on the Immune Response in Mice to Mycobacterial Ribonucleic Acid Vaccines. Anne S. Youmans and Guy P. Youmans 271

Chronic Virus Infection and Immune Responsiveness. II. Lactic Dehydrogenase Virus Infected and Immune Response to Non-Viral Antigens. Michael B. A. Oldstone, Antoinette Tishon, and Jacques M. Chiller 370

COMMUNICATION


Circulating Immune Complexes in Mycoplasmal pneumoniae Infection. Gunnel Biberfeld and Renée Norberg 413

Antigenicity of Reduced and Alkylated Australia Antigen. N. Imai, A. Gotoh, K. Nishioka, S. Kurashina, Y. Miyakawa, and M. Mayumi 416

Purification of Human T and B Lymphocytes. Melvyn F. Greaves and Geoffrey Brown 420

Preparation and Properties of Anti-Sulfatide Serum. Sen-Itoh Hakomori 424

IgM Anamnestic Immune Response to the Haptenic Determinant DNP on a Thymus-Independent Carrier. Giacomo del Guercio, Nicole Thobie, Marie France Pourier, and Paolo Del Guercio 427


Blocking Activity Induced by Solubilized Australia Antigens. Jacob Ziglerholm, Benjamin Bonavida, V. Shrivasa Rao, John L. Fahey 433