THE JOURNAL OF IMMUNOLOGY®

Contents for June

CELLULAR IMMUNOLOGY

1931 Target Cells for Interferon Production in Human Leukocytes Stimulated by Sendai Virus. Tai Yamaguchi, Kazuko Handa, Yoshinobu Shimizu, Toru Abo, and Katsuo Kumagai

1936 Specific Restoration of Delayed Hypersensitivity by Lymphoid Tissue Extracts. Jon A. Green, Juliann Williams, and Hilton B. Levy

1944 Specificity and Structural Analysis of a Guinea Pig Transfer Factor-Like Activity. Wesley A. Dunnick and Fritz H. Bach

1982 IgE Formation in the Rat after Infection with Nippostrongylus brasiliensis. II. Proliferation of IgE-Bearing Cells in Neonatally Thymectomized Animals. Joseph F. Urban, Jr., Teruko Ishizaka, and Kimishige Ishizaka


2015 Two Migration Inhibitory Factors with Different Chromatographic Behavior and Isoelectric Points. Heinz G. Remold and Alma Mednis

2040 Heterologous Antiserum to Rat Lymphohemopoietic Precursor Cells. Irving Goldschneider

2053 Antigen Handling by Guinea Pig Macrophages: Further Evidence for the Sequestration of Antigen Relevant for Activation of Primed T Lymphocytes. Jerrold J. Ellner, Peter E. Lipsky, and Alan S. Rosenthal

2067 Studies on the Generation of B Lymphocytes in Fetal Liver and Bone Marrow. John J. T. Owen, Donald E. Wright, Sonoko Habu, Martin C. Raft, and Max D. Cooper

2078 Increased Responsiveness to Macrophage-Activating Factor (MAF) after Alteration of Macrophage Membranes. Willy F. Piessens, Heinz G. Remold, and John R. David

2103 Studies on Demyelination by Activated Lymphocytes in the Rabbit Eye. I. Effects of a Mononuclear Cell Infiltrate Induced by Products of Activated Lymphocytes. Gerald L. Stoner, Celia Fildes Brosnan, Henryk M. Wisniewski, and Barry R. Bloom

2103 Studies on Demyelination by Activated Lymphocytes in the Rabbit Eye. II. Antibody-Dependent Cell-Mediated Demyelination. Celia Fildes Brosnan, Gerald L. Stoner, Barry R. Bloom, and Henryk M. Wisniewski

2111 In Vitro Tolerance Induction of Bone Marrow Cells: A Marker for B Cell Maturation. Eleanor S. Metcalf and Norman R. Klinman

2125 Suppressor Cells in Tolerance to HGG: Kinetics and Cross-Suppression in High Dose Tolerance—Absence in Low Dose Tolerance. D. C. Benjamin

2199 Molecular Control of B Cell Triggering by Antigen-Specific T Cell-Derived Helper Factor. C. Shiozawa, B. Singh, S. Rubinstein, and E. Diener


CLINICAL IMMUNOLOGY

1966 Effect of LDL-In, A Normal Immunoregulatory Human Serum Low Density Lipoprotein, on the Interaction of Macrophages with Lymphocytes Proliferating in Response to Mitogen and Allogeneic Stimulation. Linda K. Curtiss and Thomas S. Edgington

1971 Glucocorticoid Receptors in Purified Subpopulations of Human Peripheral Blood Lymphocytes. Marc Lippmann and Ronald Barr

1984 Suppressor Lymphocytes in Young and Aged Humans. H. M. Hallgren and E. J. Yunis

2254 Quantitation of Measles Virus-Specific Immunoglobulins in Serum, CSF, and Brain Extract from Patients with Subacute Sclerosis Panencephalitis. P. D. Mehta, A. Kane, and H. Thomar

2281 Activation of Human B Lymphocytes. III. Concanavalin A-Induced Generation of Suppressor Cells of the Plaque-Forming Cell Response of Normal Human B Lymphocytes. Barton F. Haynes and Anthony S. Fauci

IMMUNOCHEMISTRY

1962 A Spontaneously Occurring Complex of β2-Microglobulin and a Fragment of γ-Chain of IgG: Isolation from the Urine of a Patient with Plasma Cell Leukemia and Characterization. Ben K. Seon and David Pressman


1987 Functional, Structural, and Antigenic Similarities of Guinea Pig Anti-phosphoryleholine Antibodies. Joyce Schroer and Joseph M. Davie

2047 The Subunit Composition and Sedimentation Properties of Human C1. Robert J. Ziccardi and Neil R. Cooper
2275 Antigenic Studies of a VH Fragment: Demonstration of Three Sets of Antigens, Idiotypic, VH Subgroup, and VH Framework-Specific Antigens. Terje E. Michaelsen, Øystein Førre, and Jacob B. Natvig

IMMUNOGENETICS AND TRANSPLANTATION

1951 Somatic Cell Hybrids between Mouse Peritoneal Macrophages and SV40-Transformed Human Cells. III. Identification of Surface Antigens Coded for by Human Chromosomes 7 and 17. Lucienne Cicurel and Carlo M. Croce

2200 Cellular Components of Allograft Rejection: Identity, Specificity, and Cytotoxic Function of Cells Infiltrating Acutely Rejecting Allografts. Terry B. Strom, Nicholas L. Tilney, Jean M. Paradyz, John Bencewicz, and Charles B. Carpenter

2234 Induction of Guinea Pig Antibody Responses in Vitro. Philip L. Cohen, Jerrold J. Ellner, and Ethan M. Shevach

2073 Immunosuppressive Factor(s) Specific for L-Glutamic Acid\textsuperscript{16} L-Tyrosine\textsuperscript{26} (GT). I. Production, Characterization, and Lack of H-2 Restriction for Activity in Recipient Strain. Carl Waltenbaugh, Patrice Debré, Jacques Thèze, and Baruj Benacerraf

1983 Ag-B-Linked Analogue of Ia Antigens in the Rat. Nobukata Shinohara, Susan E. Cullen, and David H. Sache

2088 The Response of Recombinant Inbred Strains of Mice to Bacterial Lipopolysaccharides. James Watson, Roy Riblet, and Benjamin A. Taylor

2130 Rapid \textit{in Vivo} Destruction of Semi-syngeneic and Allogeneic Cells by Nonimmunized Mice as a Consequence of Nonidentity at H-2. George A. Carlson and Thomas G. Wegman


IMMUNOPATHOLOGY

2027 Biphasic Effect of Cyclic AMP on IgG Production and on the Changes of Non-histone Nuclear Proteins Induced with Anti-immunoglobulin and Enhancing Soluble Factor. Tadamitsu Kishimoto, Yoshio Nishizawa, Hitoshi Kikutani, and Yuichi Yamamura

2151 Niridazole Suppression of Experimental Allergic Encephalomyelitis in Lewis Rats. Philip Y. Paterson, Johanne M. Harvey, and Leslie T. Webster, Jr.


2288 The Effect of BCG on Experimental Leishmaniasis in Mice. Jonathan Weintraub and Fredric I. Weinbaum

TUMOR IMMUNOLOGY


1925 Characterization of Cytolytic Effector Cells in Peripheral Blood of Healthy Individuals and Cancer Patients. II. Cytotoxicity to Allogeneic or Autochthonous Tumor Cells in Tissue Culture. Gerd R. Pape, Marita Troye, and Peter Perlmann


2058 A Functional Comparison of Human Fe-Receptor-Bearing Lymphocytes Active in Natural Cytotoxicity and Antibody-Dependent Cellular Cytotoxicity. H. David Kay, Guy D. Bonnard, William H. West, and Ronald D. Herberman


2176 Macrophage Function in Tumor-Bearing Mice: Tumoricidal and Chemotactic Responses of Macrophages Activated by Infection with \textit{Mycobacterium bovis}, Strain BCG. Monte S. Meltzer and Mary M. Stevenson

2206 Myeloma-Specific Antibodies: Studies of Their Properties and Their Relationship to Tumor Immunity. Maureen J. Frikke, Sandra H. Bridges, and Richard G. Lynch

2237 Development of Cellular Anti-tumor Immunity in Chickens Bearing Tumors Induced by Rous Sarcoma Virus. Evelyn Israel and Mark A. Wainberg

2243 Characterization and Specificity of Murine Anti-tumor Cytotoxic Effector Cells within an Ascitic Tumor. William E. Biddison, Jon C. Palmer, Michael A. Alexander, Elliot P. Cowan, and Lionel A. Manson

Continued on page 7
Continued from page 3

2269 Sequential Quantitation of Circulating Immune Complexes in Syngeneic and Allogeneic Rats Bearing Moloney Sarcomas. J. Charles Jennette and Joseph D. Feldman

VIRAL AND MICROBIAL IMMUNOLOGY


2155 Multiple Polysaccharide Antigens of Group B Streptococcus, Type Ia: Emphasis on a Sialic Acid Type-Specific Polysaccharide. Judith A. Kane and Walter W. Karakawa

2167 The Elimination of Herpes Simplex Plaques by Antibody and the Emergence of Resistant Strains. Peter Reed Paven and Francis A. Ennis

COMMUNICATIONS

2291 The Formation of Stable E-Rosettes by Human T Lymphocytes Activated by Phytohemagglutinin. Arthur K. Katoh and Surin Charoensiri


2295 Similar Cell Surface Antigens on Hamster Cells Transformed by Different Papovaviruses. Giuseppe A. Molinaro, Eugene O. Major, Gregory Bernhardt, Sheldon Dray, and Giampiero di Mayorca

2299 Letters to the Editor

2300 Announcements

2301 Author Index

2302 Ad hoc Reviewers

2304 Author Index Volume 118

2309 Subject Index Volume 118

---

Protein A

Cell surface and immunoglobulin studies

Protein A

for use in studies of cell surface antigens. Binds specifically to the Fc region of IgG of sub-classes 1, 2 and 4. Purified by affinity chromatography.

Protein A-Sepharose® CL-4B

for affinity chromatography of IgG. Protein A covalently coupled to cross-linked Sepharose 4B.

For further details see our booklet available on request.

Pharmacia Fine Chemicals
Division of Pharmacia, Inc.
Piscataway, New Jersey 08854
Phone (201) 469-1222