THE JOURNAL OF IMMUNOLOGY®

Contents for October

CELLULAR IMMUNOLOGY

An Analysis of the Defective Response of CBA/N Mice to T-Dependent Antigens. CHARLES A. JANEWAY, JR. AND DAVID R. BARThold ............ 898
IgG-Dependent Clearance of Red Blood Cells in IgG Myeloma Patients. JUAN CARLOS SCORNik, MARCO CESAR SALINAS, AND BENJAMIN DREWINKO ............ 901
Antigen-Enhanced Glucosamine Incorporation by Peritoneal Macrophages in Cell-Mediated Hypersensitivity. I. Studies on Biology and Mechanism. M. ELIZABETH HAMMOND, SALVATORE S. SELVAGGIO, AND HAROLD F. DVORAK ............ 914
Studies on the Adjunct Effect of Bordetella pertussis Vaccine to Sheep Erythrocytes in the Mouse. I. In vitro Enhancement of Antibody Formation with Normal Spleen Cells. ANTHONY J. MURGO AND THOMAS J. ATHANASSIADIDES ............ 928
Reactivity of Antibodies to Guinea Pig Eosinophils. GERALD J. GLEICH, DAVID A. LOEGERING, AND GAIL M. OLSON ............ 950
Mouse Effector Functions Involved in the Antibody-Dependent Cellular Cytotoxicity to Xenogeneic Erythrocytes. STEFAN A. COHEN, M. JANE EHKE, AND ENRICO MICHIC ............ 1007
Regulatory Substances Produced by Lymphocytes. II. Lymphotixin in the Rat. YUZIRO NAMBA AND BYRON H. WAKSMAN ............ 1018
Two Novel Stimuli of Cyclic Adenosine 3',5'-Monophosphate (cAMP) in Human Lymphocytes. JOHN F. ATKINson, H. JAMES WEDNER, AND CHARLES W. PARKER ............ 1023
Stimulation of Human Lymphocytes by Galactose-Specific Abrus and Ricinus Lectins. OTTO CLOSS, ERLING SALVIOET, AND STUB OLSEN ............ 1045
Carrier-Induced Tolerance to Nucleic Acid Antigens. B. DAVID STOLLAR AND YVES BOREI ............ 1095
The Requirement for Macrophage-Lymphocyte Interaction in T Lymphocyte Proliferation Induced by Generation of Aldehydes on Cell Membranes. DIRK K. GREINiENDER AND ALAN S. ROSENTHAL ............ 932
Inhibition of Macrophage-Lymphocyte Interaction by Cytochalasin B during Antigen Recognition by T Lymphocytes. ALAN S. ROSENTHAL, J. THOMAS BLAKE, AND PETER E. LIPSky ............ 1135
Temporal Dependence of the Inhibition by Cytochalasin B of Antigen-Initiated Migration Inhibition Factor Production. S. A. BEN SASSON AND ALAN S. ROSENTHAL ............ 1140
A Subpopulation of T Cells Bearing Fc Receptors. ANTONY BASTEN, J. F. A. P. MILLER, NOEL L. WARNER, ROBERT ABRAHAM, EUNICE CHIA, AND JENNIFER GAMBLE ............ 1159

IMMUNOCHEMISTRY

Molecular Restrictions of Anti-DNP Antibodies Induced by (DNP)2-gramicidin S. PAUL C. MONTGOMERY, JOHN H. ROCKY, RONALD L. KAHN, AND CHERYL A. SKANDER ............ 904
Comparison of the Binding Affinities of Rabbit IgG Fractions to the Rabbit Fetal Yolk Sac Membrane: Use of 22Na to Facilitate Quantitation of 125I-IgG Binding. DAVID D. TSAY AND MAX SCHLAMOWITZ ............ 939
Synthesis but Not Secretion of J Chain by Variant Mouse Myeloma Cells Which Lose a-Chain-Synthesizing Ability. TIMOTHY MOSMANN AND RUEBEN HAUMAL ............ 955
Studies of Surface Immunoglobulins on Human B Lymphocytes. I. Dissociation of Cell-Bound Immunoglobulins with Acid pH at 37°C. KATSUO KUMAGAI, TORU ABO, TSUYOSHI SEKIZAKA, AND MUTSUo Sasaki ............ 982
Identification and Properties of J Chain Isolated from Catfish Macroglobulin. JIRI MESTEK, ROSE KULHAY, RALPH E. SCHROHENLOHER, MILAN TOMA, AND GENESIS P. WRIGHT ............ 993
Peculiar Secretory IgA System Identified in Chickens. II. Identification and Distribution of Free Secretory Component and Immunoglobulins of IgA, IgM, and IgG in Chicken External Secretions. HIROSHI WATANABE, KUNIHiko KOBAYASHI, AND YASURO ISAYAMA ............ 998
Subfragments of Papain Solubilized TL Antigen. THOMAS H. STANTON, J. CLAUDE BENNETT, AND MICHAEL WOLCOTT ............ 1013
Mechanism of Complement-Induced Cell Lysis. Demonstration of a Three-Step Mechanism of EAC1-S Cell Lysis by C9 and of a Non-Osmotic Swelling of Erythrocytes. GÜNTER VALET AND WOLFGANG OPPEKUCH ............ 1028
Complement Inhibitor(s) Released by Leukocytes. I. Pretreatment of Sheep Erythrocytes with Supernatants of Mouse Spleen and Thymus Cells Inhibit Whole Complement Activity and C2 Utilization. ALAIN BERNARD, LAURENCE BOUMSELL, TIBOR BORSOS, ROBERT A. GOOD, AND NOORBIBI K. DAY ............ 1087
Complement Inhibitor(s) Released by Leukocytes. III. Evidence for a "New" C1 Inhibitor in the Supernatants of Short-Term Cultures of Mouse Spleen and Thymus Cells. ALAIN BERNARD, LAURENCE BOUMSELL, AND TIBOR BORSOS ............ 1091
Comparative Studies on Monotypic IgM and IgGk from an Individual Patient. I. Evidence for Shared VH Idiotype Determinants. JOHN H. HOPPER ............ 1101

IMMUNOGENETICS AND TRANSPLANTATION
Structural and Genetic Basis of the in ViVo Immune Response to TNP-LPS. Diane M. Jacobs. 988
The Influence of Foster Nursing on the Survival and Immunologic Competence of Mice and Rats. Willyn K. Silvers and Timothy W. Poole. 1117
Synergy between Subpopulations of Normal Mouse Spleen Cells in the in ViVo Generation of Cell-Mediated Cytotoxicity Specific for “Modified Self” Antigens. Richard J. Hodes, Karen S. Hathcock, and Gene M. Shearer. 1122

IMMUNOPATHOLOGY
Genetically Controlled Autologous Immune Complex Glomerulonephritis in Rats. Bodo Stenglein, Gunther H. Thoenes, and Eberhard Gunther. 895
Evidence for an Abnormal Microenvironment in the Thymus of New Zealand Black Mice. Michael J. Dauphineé, Donald W. Palmer, and Norman Talal. 1054
Immunologic Properties of Mast Cells from Rats Infected with Nippostrongylus brasiliensis. Teruji Ishizaka, Wolfgang König, Munetsugu Kurata, Linda Mauser, and Kimishige Ishizaka. 1078
The Antibody Response to Myelin Basic Protein (BP) in Lewis Rats: The Effects of Bordetella pertussis. Olin M. Potts, Vincent A. Varitek, and Eugene D. Day. 1114
The Role of Cyclic AMP in the Chemotactic Responsiveness and Spontaneous Motility of Rabbit Peritoneal Neutrophils. The Inhibition of Neutrophil Movement and the Elevation of Cyclic AMP Levels by Catecholamines, Prostaglandins, Thephylline, and Cholera Toxin. Israel Rivkin, Joseph Rosenblatt, and Elmer L. Becker. 1126
Immunity to Toxoplasma gondii Induced in Vitro in Non-Immune Mouse Macrophages with Specifically Immune Lymphocytes. Krishan K. Sethi, Bernd Pelteer, Naoyoshi Suzuki, Gerhard Piekarski, and Henning Brandis. 1151