106 (6)

*average

**Why The JI?** Submit online.

- **Rapid Reviews! 30 days** from submission to initial decision
- **No Triage!** Every submission reviewed by practicing scientists
- **Fast Publication!** 4 weeks from acceptance to publication

**Subscription**

Information about subscribing to *The Journal of Immunology* is online at:

http://jimmunol.org/subscription

**Permissions**

Submit copyright permission requests at:

http://www.aai.org/About/Publications/JI/copyright.html

**Email Alerts**

Receive free email-alerts when new articles cite this article. Sign up at:

http://jimmunol.org/alerts

---

*The Journal of Immunology* is published twice each month by The American Association of Immunologists, Inc., 1451 Rockville Pike, Suite 650, Rockville, MD 20852

All rights reserved.

Print ISSN: 0022-1767 Online ISSN: 1550-6606.
IMMUNOCHEMISTRY

Cross-Reactions between 2,4-Dinitrophenyl and 5-Acetouracil Groups. BRIAN J. UNDERDOWN AND HERMAN N. EISEN ........................................... 1431

Studies on the Secretory Immunologic System of Fowl. I. Presence of Immunoglobulins in Chicken Secretions. GERRIE A. LESLIE, H. R. WILSON AND L. WILLIAM CLEM ............................................................. 1441

Immunologic and Immunochmical Studies on the Gar, Lepisosteus platyrhincus. II. Purification and Characterization of Immunoglobulin. CLAIRE M. BRADSHAW, L. WILLIAM CLEM AND M. MICHAEL SIGEL ..................................... 1480

Partial Dissociation of Rheumatoid Synovial Fluid Cryoprotein: Micro-complement Fixation by IgG- or IgG- and IgM-Containing Fractions and Denatured Calf Thymus DNA. ROBERT L. MARCUS AND ALEXANDER S. TOWNES ............... 1499

Antibody Weight Estimates at the Nanogram Level. ROBERTO REVOLTELLA, LOUISE T. ADLER AND ABRAHAM G. OSLER ............................................ 1507

The Early Immune Response to the Dinitrophenyl and Folate Determinants: Weight Estimates of Serum, 19S and 7S Immunoglobulins. ROBERTO REVOLTELLA, LOUISE T. ADLER AND ABRAHAM G. OSLER ............................................ 1519


Immunochmical Studies on Blood Groups. XLIX. The I Antigen Complex: Specificity Differences among Anti-I Sera Revealed by Quantitative Precipitin Studies; Partial Structure of the I Determinant Specific for One Anti-I Serum. TEN FEIZI, ELVIN A. KABAT, GIUSEPPE VICARI, BYRON ANDERSON AND W. LAURENCE MARSH ................................................................. 1578

The Enhancement of Rabbit Anti-BSA IgE, Homocytotropic Antibody Production by Corynebacterium parvum Strain 10887. R. NEAL PINCKARD AND MARYL HALONEE ................................................................. 1602

The Detection of Antibody to Hemocyanin by Direct Solid-Phase (Polystyrene) Radioimmunossay and Gel Filtration. ANGELIKI O. KOTOULAS AND LEONARD A. MOROZ .................................................. 1630

CELLULAR IMMUNOLOGY

Immunoglobulin Determinants on Mouse Lymphocytes. G. JONES, G. TORRIGIANI AND I. M. ROITT ............................................................. 1425

Rabbit Platelet Injury by Soluble Antigen and Antibody. III. Effects of the Sodium and Magnesium Salts of EDTA and EGTA. SAMUEL R. MARKER, JR. AND ROGER M. DES FREZ ................................................................. 1447

Antigenic Competition between Heterologous Erythrocytes. I. Thymus-Dependent. RICHARD K. GERSHON AND KAZUNARI KONDO .......................... 1524

Antigen Competition between Heterologous Erythrocytes. II. Effect of Passive Antibody Administration. RICHARD K. GERSHON AND KAZUNARI KONDO .......................... 1532

Detection of Cell-Absorbed Protein Antigen by an Equilibrium Diffusion Method. CHIAKI TAI AND JAMES E. MCGUIGAN ............................................................. 1540

Lymph Node Cells Carrying Receptor Sites Detected by Diffusion Dialysis Techniques. CHIAKI TAI AND JAMES E. MCGUIGAN ............................................................. 1545

Induction of Antigenic Competition with Thymus-Dependent Antigens: Effect on DNA Synthesis in Spleen Cells. GÖRAN MÖLLER ............................................................. 1566

The Effect of Bursectomy on the Recovery from Immunologic Tolerance. RAYMOND D. A. PETTERSON, GUNNAR V. ALM AND SUZANNE MICHAEL .......................... 1609

Deficient IgA Antibody Responses to Arsanilic Acid Bovine Serum Albumin (BSA) in Neonatally Thymectomized Rabbits. JOHN D. ClOUGH, LINDA H. MIMS AND WARREN STROBER ............................................................. 1624

The Direct Hemolytic Plaque Response to Hemocyanin in the Rabbit. ANGELIKI O. KOTOULAS AND LEONARD A. MOROZ ............................................................. 1641

Cellular Events during Induction of Immunologic Unresponsiveness in Adult Mice. JACQUES M. CHILLER AND WILLIAM O. WEIGLE ............................................................. 1647

IMMUNOPATHOLOGY

Pathogenesis of Experimental Allergic Orchitis. I. Transfer with Immune Lymph Node Cells. KENNETH S. K. TUNG, EMIL R. UNANUE AND FRANK J. DIXON ............................................................. 1453

Pathogenesis of Experimental Allergic Orchitis. II. The Role of Antibody. KENNETH S. K. TUNG, EMIL R. UNANUE AND FRANK J. DIXON ............................................................. 1463

Continued
Contents Continued

Cyclophosphamide Treatment of Experimental Allergic Encephalomyelitis in Lewis Rats. PHILIP Y. PATTERSON ................................................... 1473
Tolerance following Immunity, with Loss of Serum Specificity, in Adult Rabbits Injected Repeatedly with HeLa Cells. GAIL LORENZ MILLER ....... 1654
Graft-vs-Host Reaction in a Xenogeneic Combination: Mechanism of the Reaction. RODRIGUE I. CONSTANTINE, JOSEPH NAROUZ, LLOYD D. MACLEAN AND JULIUS GORDON ................................................................. 1660

MICROBIAL AND VIRAL IMMUNOLOGY

Complement Fixation in Conventional and Regressing Virus-Induced Murine Leukemias. MARVIN A. RICH, SEUNG KARL AND RODNEY CLYMER ................................................................. 1488
Cross-Reacting and Monotypic T Antigens of Nephritogenic Pyoderma Streptococci: the Type 56 System. ALAN L. BISNO, MAURI SVARTMAN AND GENE H. STOLLERMAN ................................................................. 1493
A New Specific Humoral Viral Resistance Factor, Serum Protective Factor—Some Biologic and Physical Properties. INDERJIT S. THIND AND WINSTON H. PRICE ................................................................. 1559
Cross-Reacting and Monotypic T Antigens of Nephritogenic Pyoderma Streptococci: the Type 56 System. ALAN L. BISNO, MAURI SVARTMAN AND GENE H. STOLLERMAN ................................................................. 1493
"Nonspecific" Stimulation of Lymphocyte Transformation by Cellular Fractions and Acid Extracts of Group A Streptococci. HAROLD KEISER, IRVING KUSHNER AND MELVIN H. KAPLAN ................................................................. 1593
Enzymes Produced by a Pseudomonas Species which Inactivate Inhibitors of Certain Viral Hemagglutinins. II. Effect of a Proteinase and Phospholipase C on Viral Hemagglutinin Inhibitors Present in Human Sera. NATHALIE J. SCHMIDT, PINKIE S. GEE, JEANITA DENNIS AND EDWIN H. LENNETTE ................................................................. 1615
Atypical Fluorescence in the Fluorescent Treponemal-Antibody-Absorption (FTA-ABS) Test Related to Deoxyribonucleic Acid (DNA) Antibodies. STEPHEN J. KRAUS, JOHN R. HASERICK, LESLIE C. LOGAN AND JANICE C. BULLARD ................................................................. 1665

COMMUNICATIONS

Antibody-Agarose Immunoadsorbents: Complete Removal of Classes of Immunoglobulins from Serum. MART MANNIK AND DAVID E. STAGE ................................................................. 1670
Serum Allotype Loss due to a Lymphoid Tumor in Chickens. C. S. DAVID AND O. J. FLETCHER ................................................................. 1673
Immunologic Assays for Identifying Single Components in Protein Mixtures after Isoelectric Focusing in Urea-Containing Acrylamide Gels. ANNE H. GOOD AND BARRY B. CEVERHA ................................................................. 1677
Detection of Morphine by Hemagglutination-Inhibition. FRANK L. ADLER AND CHI-TAN LIU ................................................................. 1684
Guinea Pig Leukocytes: In Vivo and In Vitro Infection with a Herpes-Like Virus. G. D. HSING, C. K. Y. FONG AND K. M. LAM ................................................................. 1686
Induction of Acquired Tolerance in Neonatal Opossums. PERRY C. MAJOR AND ROBERT BURRELL ................................................................. 1690

IMPORTANT NOTICE

On and after June 1, 1971, all manuscripts, communications, and correspondence intended for this Journal should be sent to the following address:

Dr. Joseph D. Feldman
Department of Experimental Pathology
Scripps Clinic and Research Foundation
La Jolla, Calif. 62037

Downloaded from http://www.jimmunol.org/ by guest on March 20, 2021