

## THE JOURNAL OF IMMUNOLOGY®

## Contents for February

## IMMUNOCHEMISTRY

Immunoglobulin M: Identification of an Unusual Fragment following High Temperature Trypsin Proteolysis. ANDREW G. PLAUT, NICKOLAS CALVANICO AND THOMAS B. TOMASI, JR.....	289
Antigen-Binding IgA Myeloma Proteins in Mice: Specificities to Antigens Containing $\beta$ -D 1 $\rightarrow$ 6 Linked Galactose Side Chains and a Protein Antigen in Wheat. MICHAEL POTTER, ELIZABETH B. MUSHINSKI AND C. P. J. GLAUDEMANS.....	295
Precipitin Reactions between Polyribonucleotides and Heat Labile Serum Factors. PIER GIORGIO NATALI AND ENG M. TAN.....	318
Receptors for Immunoglobulin and Complement on Mouse Leukemias and Lymphomas. E. SHEVACH, R. HERBERMAN, R. LIEBERMAN, M. M. FRANK AND I. GREEN.....	325
Immunglobulin Receptors on a Mouse Mast Cell Tumor. MARTIN J. CLINE AND NOEL L. WARNER.....	339
The Localization of Oligosaccharides in a Human IgM Protein. WILLIAM NIEDERMEIER, RALPH E. SCHROHENLOHER AND MARY HURST.....	346
False Positive Tests for Hepatitis-Associated Antigen in Blood Donors Caused by Antibodies to Ruminant Serum Proteins. HARVEY J. ALTER, HERBERT F. POLESKY AND PAUL V. HOLLAND.....	358
Fractionation of the Antigens of Canine Prostatic Fluid. UMRANA AHMED AND SIDNEY SHULMAN.....	432
A Study of the Cell-Mediated and Antibody Responses to Synthetic Ribonucleic Acids in Guinea Pigs. JOHN A. VAN BOXEL, ALFRED D. STEINBERG AND IRA GREEN.....	446
Immunochemical Cross-Reactions of Human Amyloid Proteins with Human Immunglobulin Light Polypeptide Chains. C. ISERSKY, D. EIN, D. L. PAGE, M. HARADA AND G. G. GLENNER.....	486
Studies on Immunoglobulins of Mink: Definition of IgG, IgA and IgM. J. E. COE AND W. J. HADLOW.....	530
The Secondary Immune Response: The Specificity of Lymph Node Cells and Antibody. HOWARD A. LEVIN, JUDITH HERMAN, HERBERT LEVINE AND STUART F. SCHLOSSMAN.....	538

## IMMUNOGENETICS AND TRANSPLANTATION

Binding <i>in Vivo</i> of Enhancing Antibodies to Skin Allografts and Specific Allogeneic Tissues. JOE M. JONES, HANS-HARTMUT PETER AND JOSEPH D. FELDMAN.....	301
The Antibody Response of Rabbits to Soluble Mouse H-2 Antigens. IAN F. C. MCKENZIE AND M. ELISABETH PAINTER.....	352
A Model System for Study of Subcellular Distribution of Cell Surface Antigens. LAWRENCE A. WILSON AND WILLIAM BOYLE.....	460
Immune Hemolysis. I. Differing Susceptibility of Three Genetic Types of Sheep Red Cells. DAVID A. BELL, PIERRE F. LEBLOND, JOHN P. LEDDY, PETER K. LAUF, PAUL L. LACELLE AND ROBERT I. WEED.....	467
Immune Hemolysis. II. Studies on the Mechanism of Enhanced Lysis of Sheep Red Cells in a High K <sup>+</sup> Medium. JOHN P. LEDDY, PATRICIA A. THIEM, PIERRE F. LEBLOND, ROBERT I. WEED AND PETER K. LAUF.....	475

## CELLULAR IMMUNOLOGY

The Effect of Localized Injection of Adjuvant Material on the Draining Lymph Node. III. Thymus Dependence. ROBERT N. TAUB AND RICHARD K. GERSHON.....	377
Immunologic Deficiencies in Senescence. I. Characterization of Intrinsic Deficiencies. G. B. PRICE AND T. MAKINODAN.....	403
Immunologic Deficiencies in Senescence. II. Characterization of Extrinsic Deficiencies. G. B. PRICE AND T. MAKINODAN.....	413
Cell Interactions in Antibody Formation <i>in Vitro</i> . I. Role of the Third Cell in the <i>in Vitro</i> Response of Spleen Cells to Erythrocyte Antigens. HUMBERTO COSENZA AND LEE D. LESERMAN.....	418
Migration Inhibitory Effect of Cell-Free Supernatants from Mixed Human Lymphocyte Cultures. JENS ERIK CLAUSEN.....	453
Production and Characterization of Migration Inhibitory Factor(s) (MIF) of Established Lymphoid and Non-Lymphoid Cell Lines. PHOTINI S. PAPAGEORGIOU, WALTER L. HENLEY AND PHILIP R. GLADE.....	494

*Continued*

*Contents continued*

IMMUNOPATHOLOGY

Neutrophilic Leukocytes in Immunologic Reactions: Evidence for the Selective Release of Lysosomal Constituents. DAVID HAWKINS.....	310
Transfer of Experimental Allergic Orchitis with Peritoneal Exudate Cells. GARY L. KANTOR AND FRANK J. DIXON.....	329
Cytochalasin B. IV. Inhibition and Stimulation of Chemotaxis of Rabbit and Human Polymorphonuclear Leukocytes. ELMER L. BECKER, A. TODD DAVIS, RICHARD D. ESTENSEN AND PAUL G. QUIE.....	396
Passive Immunization against the Local Shwartzman Reaction. ABRAHAM I. BRAUDE AND HERNDON DOUGLAS.....	505
Release of Histamine and Slow Reacting Substance of Anaphylaxis (SRS-A) by IgE-Anti-IgE Reactions on Monkey Mast Cells. TERUKO ISHIZAKA, KIMISHIGE ISHIZAKA AND HISAO TOMIOKA.....	513
Clearance of Equine Antitoxin-Toxin Complexes by the Reticuloendothelial System. SIGURD J. NORMANN.....	521

MICROBIAL AND VIRAL IMMUNOLOGY

Hemagglutination-Inhibiting (HI) Antibody Response against Rubella Virus in Non-Pregnant and Pregnant Rabbits and Transmission of Antibody to Young. SAKAE INOUYE AND REISAKU KONO.....	370
Immunity to Cholera: The Occurrence and Nature of Antibody-Active Immunoglobulins in the Lower Ileum of the Rabbit. JASBIR KAUR, JERRY R. McGHEE AND WILLIAM BURROWS.....	387
The Use of Killed Vaccines in Immunization against an Intracellular Parasite: <i>Toxoplasma gondii</i> . JAMES L. KRAHENBUHL, JOEL RUSKIN AND JACK S. REMINGTON.....	425
The Immunogenicity of Adenovirus Type 5 Structural Proteins. A. T. HAASE, V. MAUTNER AND H. G. FEREIRA.....	483

COMMUNICATIONS

Initiation of Antibody Production to Sheep Erythrocytes <i>in Vitro</i> : Replacement of the Requirement for T-Cells with a Cell-Free Factor Isolated from Cultures of Lymphoid Cells. R. M. GORCZYNSKI, R. G. MILLER AND R. A. PHILLIPS.....	547
Immunologic Response Restored by Macrophages in Mice with Immunosuppression Due to Normal RNA. M. V. LONDNER, J. C. MORINI, NELLY AMERIO, MARÍA TERESA FONT AND S. L. RABASA.....	552
Antigen and Antibody in Aleutian Disease in Mink. I. Precipitation Reaction by Agar-Gel Electrophoresis. HYUN J. CHO AND D. G. INGRAM.....	555
Specifically Cytotoxic Lymphocytes Produced by Preincubation with Antibody-Complexed Target Cells. PETER PERLMANN, HEDVIG PERLMANN AND PETER BIBERFELD.....	558
The Secondary Response to High and Low Dose Priming in Mice. WILLIAM G. GRANTHAM.....	562
Surface Antigens of Immunocompetent Cells. IV. Effect of Anti-b5 Allotype on Immunologic Responses of Homozygous b5 Rabbit Cells <i>in Vitro</i> . Endocytosis by Lymphocytes of Complexes of Anti-Ig with Membrane-Bound Ig. EMIL R. UNANUE, WILLIAM D. PERKINS AND MORRIS J. KARNOVSKY.....	566
Expression of HL-A Antigens in Synchronized Cultures of Human Lymphocytes. M. A. PELLEGRINO, S. FERRONE, P. G. NATALI, A. PELLEGRINO AND R. A. REISFELD	569
Release of Cell Surface Immunoglobulin by Mouse Splenic Lymphocytes. ELLEN S. VITETTA AND JONATHAN W. UHR.....	573
	577