

# BULK ANTIBODIES *for in vivo* RESEARCH

$\alpha$ -CD4

$\alpha$ -CD8

$\alpha$ -CD25

$\alpha$ -NK1.1

$\alpha$ -Ly6G

Many more!



114 (6)

*J Immunol* 1975; 114:1649-1854; ;  
<http://www.jimmunol.org/content/114/6.citation>

This information is current as  
of February 23, 2018.

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

*\*average*

**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.



## THE JOURNAL OF IMMUNOLOGY®

## Contents for June

## CELLULAR IMMUNOLOGY

Thymic Involution: Effect of T Cell Differentiation. KATSUIKU HIROKAWA AND T. MAKINODAN.....	1659
The Role of T Cells in IgG Production; Thymus-Dependent Antigens Induce B Cell Memory in the Absence of T Cells. JOHN W. SCHRADER.....	1665
Control of Proliferation in Mitogen Responsive Human Peripheral Blood Lymphocytes: Restimulation of Cells Stimulated by Sodium Periodate. ALLEN J. NORIN AND BERNARD S. STRAUSS.....	1683
Migratory Patterns of B Lymphocytes. III. Inhibition of Splenic Follicular Localization of Transferred Chicken Bursa Cells by Preincubation with Anti-Ig. R. H. DE KRUYFF, D. G. GLIMOUR, AND G. J. THORBECKE.....	1700
Induction and Properties of Cytotoxic T Cells Specific for Hapten-Coupled Tumor Cells. GUNTHER DENNERT AND LOREN E. HATLEN.....	1705
Reversible Restoration by Thymosin of Antigen-Induced Depression of Spleen DNA Synthesis in NZB Mice. MICHAEL J. DAUPHINEE AND NORMAN TALAL.....	1713
Development of B Lymphocytes. I. Cell Populations and a Critical Event during Ontogeny. CHARLES L. SIDMAN AND EMIL R. UNANUE.....	1730
Functional Studies of Peyer's Patches: Evidence for Their Participation in Intestinal Immune Responses. JÜRIG W. MÜLLER-SCHOOP AND ROBERT A. GOOD.....	1757
Effect of Anti- $\beta_2$ -Microglobulin on Antigen and Allogeneic Lymphocyte-Induced Proliferation of Human Lymphocytes. ROBERT T. MCCALMON, RALPH T. KUBO, AND HOWARD M. GREY.....	1766
Preventive Effect of Hapten-Reactive Thymus-Derived Helper Lymphocytes on the Tolerance Induction in Hapten-Specific Precursors of Antibody-Forming Cells. TOSHIYUKI HAMAOKA, TETSUSHI INADA, UKI YAMASHITA, AND MASAYASU KITAGAWA.....	1771
IgE Antibody-Specific Abrogation of an Established Immune Response in Mice by Modified Antigens. MICHAEL K. BACH AND JOHN R. BRASHLER.....	1799
The Immune Response of Mice Treated with Anti- $\mu$ Antibodies: The Effect on Antibody-Forming Cells, Their Precursors and Helper Cells Assayed <i>in Vitro</i> . JULIUS GORDON, ROBERT A. MURGITA, AND THOMAS B. TOMASI, JR.....	1808
Receptors for Immunoglobulin and Complement on Human Alveolar Macrophages. HERBERT Y. REYNOLDS, JOHN P. ATKINSON, HAROLD H. NEWBALL, AND MICHAEL M. FRANK.....	1813

## IMMUNOCHEMISTRY

C3 Receptors on Lymphoid Cells: Isolation of Active Membrane Fragments and Solubilization of Receptor Complexes. MANFRED P. DIERICH AND RALPH A. REISFELD.....	1676
The Structure and Function of Immunoglobulin Domains. II. The Importance of Interchain Disulfide Bonds and the Possible Role of Molecular Flexibility in the Interaction between Immunoglobulin G and Complement. D. E. ISENMAN, K. J. DORRINGTON, AND R. H. PAINTER.....	1726
Conformation-Dependent Antigenic Determinants in the Toxic Lectin Ricin. SJUR OLSNES AND ERLING SALTVEDT.....	1743
Immunoglobulin Biosynthesis in Myeloma-Associated and Casein- and Endotoxin-Induced Murine Amyloidosis. REUBEN BAUMAL, ALEX ACKERMANN, AND BILL WILSON.....	1785
The Isolation and Partial Characterization of Neutrophil Chemotactic Factors from <i>Escherichia coli</i> . ELLIOTT SCHIFFMANN, HENRY V. SHOWELL, BARBARA A. CORCORAN, PETER A. WARD, ERIC SMITH, AND ELMER L. BECKER.....	1831
Biologic Significance of Disulfide Bonds in Human IgE Molecules. KIYOSHI TAKATSU, TERUKO ISHIZAKA, AND KIMISHIGE ISHIZAKA.....	1838

## IMMUNOGENETIC AND TRANSPLANTATION

Genetic Polymorphism of Properdin Factor B in the Rhesus: Evidence for Single Subunit Structure in Primates. JOHN B. ZIEGLER, LILLIAN WATSON, AND CHESTER A. ALPER.....	1649
Binding of Poly (Glu <sup>60</sup> Ala <sup>30</sup> Tyr <sup>10</sup> ) by Thymic Lymphocytes from Genetic Responder and Non-Responder Mice: Effect of Antihistocompatibility Serum. L. JAMES KENNEDY, JR., MARTIN E. DORF, EMIL R. UNANUE, AND BARUJ BENACERRAF.....	1670
Cell Interactions between Histoincompatible T and B Lymphocytes. VIII. <i>In Vitro</i> Cooperative Responses between Lymphocytes Are Controlled by Genes in the K-End of the H-2 Complex. MARTIN E. DORF, DAVID H. KATZ, MARY GRAVES, HENRD DIMUZIO, AND BARUJ BENACERRAF.....	1717

## IMMUNOPATHOLOGY

Binding Parameters of the Interaction between Rat IgE and Rat Mast Cell Receptors. DANIEL H. CONRAD, HERVÉ BAZIN, ALEC H. SEHON, AND ARNOLD FROESE.....	1688
The Mechanism of Basophil Histamine Release Induced by Antigen and by the Calcium Ionophore A23187. LAWRENCE M. LICHTENSTEIN.....	1692

Pathogenesis of Rabies in Immunodeficient Mice. M. M. KAPLAN, T. J. WIKTOR, AND H. KOPROWSKI . . . . .	1761
--	------

TUMOR IMMUNOLOGY

Rejection of Mammary Adenocarcinoma Cell Tumors in DBA/2 Mice Immunocompromised by Thymectomy and Treatment with Antithymocyte Serum. VILAS V. LIKHITE . . . . .	1736
Immunosuppression Induced <i>in Vitro</i> by Mastocytoma Tumor Cells and Cell-Free Extracts. ISAO KAMO, CHANDU PATEL, JOHN KATELEY, AND HERMAN FRIEDMAN . . . . .	1749
Development and Inhibition of Cytotoxic Antibody against Spontaneous Murine Breast Cancer. ROBERT L. STOLFI, RUTH A. FUGMANN, LESLIE M. STOLFI, AND DANIEL S. MARTIN . . . . .	1824

VIRAL AND MICROBIAL IMMUNOLOGY

Immunochemical and Chemical Studies on Streptococcal Group-Specific Carbohydrates. JOHN E. COLIGAN, WILLIAM C. SCHNUTE, JR., AND THOMAS J. KINDT . . . . .	1654
Effect of Nonspecific Stimulation on the Defense Mechanisms of Inbred Mice. SOCRATES MEDINA, STEPHEN I. VAS, AND HUGH G. ROBSON . . . . .	1720
Bactericidal Activity of Meningococcal Antisera: Blocking by IgA of Lytic Antibody in Human Convalescent Sera. J. MCLEOD GRIFFISS . . . . .	1779
Hepatitis B Core Antigen: Detection of Antibody by Radioimmunoprecipitation. YASUO MORITSUGU, JON W. M. GOLD, JOANN WAGNER, ROGER Y. DODD, AND ROBERT H. PURCELL . . . . .	1792
Human Lymphocyte Cytotoxicity against Mumps Virus-Infected Target Cells. Requirement for Non T-Cells. BENGT HÄRFÄST, TORBJÖRN ANDERSSON, AND PETER PERLMANN . . . . .	1820

COMMUNICATIONS

Thymus-Dependent Sensitizing Processes Involved in the Induction of CNS Disease in Mice by Parainfluenza Type 1 Virus. Y. IWASAKI, D. ADEN, AND H. KOPROWSKI . . . . .	1646
A BALB/c Mouse IgA Myeloma Protein That Binds Salmonella Flagellar Protein. A. MASON SMITH AND MICHAEL POTTER . . . . .	1847
LETTERS TO THE EDITOR . . . . .	1851
ERRATUM . . . . .	1854