



Vaccine Adjuvants

Take your vaccine to the next level

InvivoGen



This information is current as of February 26, 2021.

108 (3)

J Immunol 1972; 108:581-860; ;
<http://www.jimmunol.org/content/108/3/citation>

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 March

IMMUNOCHEMISTRY

The IgA System of the Guinea Pig. J. P. VAERMAN AND J. F. HEREMANS..... 637

C3b Inactivator of Man. III. Further Purification and Production of Antibody to C3b INA. SHAUN RUDDY, LAWRENCE G. HUNSICKER AND K. FRANK AUSTEN..... 657

Activation of the First Component of Complement. Evidence for an Internal Activation Step. M. LOOS, T. BORSOS AND H. J. RAPP..... 683

PCA Reactions in Guinea Pigs: Elicitation by Antigens of Related Structure and Inhibition by Haptens. PANAYOTIS LIACOPOULOS, SARA HAREL AND ISRAËL SCHECHTER..... 689

Competition between L- and D-Synthetic Copolymers at the Level of the Macrophage. A. ARTHUR GOTTLIEB, RONALD H. SCHWARTZ AND STEPHEN R. WALDMAN..... 719

Studies on Human Secretory Immunoglobulin A. II. Subunit Structure. JIRI MESTECKY, ROSE KULHAVY AND FREDERICK W. KRAUS..... 738

Cell Surface Immunoglobulin. I. Isolation and Characterization of Immunoglobulin from Murine Myeloma Cells. SONIA BAUR, ISAAC SCHENKEIN AND JONATHAN W. UHR..... 748

Effect of Carrier Modification on the Cellular and Serologic Responses of the Rat to the TNP Hapten. I. Dependence of the Immunogenicity of the Antigen upon Processing by Macrophages, as Well as upon the Distribution and Retention of the Antigen. DWIGHT C. HIRSH, ALFRED A. AMKRAUT AND JOHN P. STEWARD..... 765

Effect of C3 Inactivator on Bound C3 Antigen. EDWARD J. LEONARD AND TIBOR BORSOS..... 776

A Study on the Immunoglobulin Class of the Anti-A₁ Isoagglutinin. H. PLISCHKA AND E. SCHÄFER..... 782

Immunologic Alterations in Bovine Serum Albumin Resulting from Partial or Complete Reduction and Alkylation. EDWARD J. GOETZL AND JOHN H. PETERS..... 785

Immunogenicity of Bovine Serum Albumin and Its Oligopolymers in CBA Mice. J. M. STARK AND J. K. SPITZNAGEL..... 800

Kinetics and Specificity of Transfer of Immunoglobulin G and Serum Albumin across Rabbit Yolk Sac *in Utero*. SHUNRO SONODA AND MAX SCHLAMOWITZ..... 807

The Effect of Actinomycin D and 5-Azacytidine on Macromolecular Synthesis in Murine Myeloma Tumor Cells. RICHARD H. SHUTT AND ROBERT G. KRUEGER..... 819

IMMUNOGENETICS AND TRANSPLANTATION

The Distribution of Alloantigenic Specificities of Native H-2 Products. SUSAN E. CULLEN, BENJAMIN D. SCHWARTZ AND STANLEY G. NATHENSON..... 596

Two New Antigens of Human IgG, "Non b⁰" and "Non b¹," Related to the Gm System. PER IVAR GAARDER AND JACOB B. NATVIG..... 617

Quantitation of Immunoglobulin Genes by Nucleic Acid Hybridization with RNA from Myeloma and Spleen Microsomes. URSULA STORB..... 755

CELLULAR IMMUNOLOGY

DNA Synthetic Response of Thymocytes to a Variety of Antigens. JÜRGEN KRÜGER AND RICHARD K. GERSHON..... 581

Suppressor T Cells. RICHARD K. GERSHON, PHILIP COHEN, RONALD HENCIN AND STEPHEN A. LIEBHABER..... 586

Studies on Rabbit Lymphocytes *in Vitro*. XV. The Effect of Blocking Serum on Anti-Allotypic Lymphocyte Transformation. STEWART SELL, JENNIFER A. LOWE AND P. G. H. GELL..... 674

Induction of Cross-Tolerance for Contact Sensitivity by a Non-Immunogenic Chemical. Feeding Dichloronitrobenzene Induces Tolerance to Dinitrochlorobenzene. RUDOLF L. BAER AND STANLEY A. ROSENTHAL..... 706

IMMUNOPATHOLOGY

The Requirement for Serum Complement in the Detoxification of Bacterial Endotoxin. KENT J. JOHNSON AND PETER A. WARD..... 611

Pharmacologic Control of Allergic Histamine Release *in Vitro*: Evidence for an Inhibitory Role of 3',5'-Adenosine Monophosphate in Human Leukocytes. HENRY R. BOURNE, LAWRENCE M. LICHTENSTEIN AND KENNETH L. MELMON..... 695

MICROBIAL AND VIRAL IMMUNOLOGY

Friend Leukemia Virus Infection in Germfree Mice following Antigen Stimulation. N. M. KOUTTAB AND J. W. JUTILA..... 591

Continued

Contents continued

| | |
|--|-----|
| Immunization with R Mutants of <i>S. Minnesota</i> . I. Protection against Challenge with Heterologous Gram-Negative Bacilli. WILLIAM R. MCCABE..... | 601 |
| Sensitization and Neutralization of Adenovirus by Specific Sera against Capsid Subunits. GÖRAN WADELL..... | 622 |
| The Purification of Adenovirus Neutralizing Antibody: Adenovirus Type 5 Hexon Immunoadsorbent. A. T. HAASE AND H. G. PEREIRA..... | 633 |
| Age Dependent Resistance to Polyoma and Murine Sarcoma Viruses in Mice. MARTIN S. HIRSCH, MAX R. PROFFITT, GAY S. TRACY AND PAUL H. BLACK..... | 649 |
| Antibody Affinity and Valence in Viral Neutralization. SUSAN ERMA BLANK, GERIE A. LESLIE AND L. WILLIAM CLEM..... | 665 |
| Surface Antigen Produced by Herpes Simplex Virus (HSV). MICHIO ITO AND ALMEN L. BARRON..... | 711 |
| Studies on the Opsonic Activity of Human Secretory IgA Using an <i>in Vitro</i> Phagocytosis System. I. DODD WILSON..... | 726 |
| The Antigens of Varicella-Zoster Virus. PHILIP A. BRUNELL, MIRIAM GRANAT AND ANNE A. GERSHON..... | 731 |

COMMUNICATIONS

| | |
|--|-----|
| Synergism between Peyer's Patch Cells and Spleen Cells in Humoral Antibody Production. EDWARD D. COPPOLA, ADEL ABOUL-ENEIN, CLARK F. KOPYCINSKI AND FRANK DELUCA..... | 831 |
| Synthesis of Rat IgE by Aerosol Immunization. CHRISTINE A. VAN HOUT AND HERBERT G. JOHNSON..... | 834 |
| Hereditary C2 Deficiency with Some Manifestations of Systemic Lupus Erythematosus. V. AGNELLO, M. M. E. DE BRACCO AND H. G. KUNKEL..... | 837 |
| Thymus-Derived Lymphocytes Sequestered in the Bone Marrow of Hydrocortisone-Treated Mice. J. JOHN COHEN..... | 841 |
| Inhibition of Phytohemagglutinin-Induced Lymphocyte Transformation by α -Globulins: Lack of Correlation with Phytohemagglutinin Precipitation by Serum Proteins. STANLEY YACHNIN..... | 845 |
| Complement Fixation by Aggregated IgE through Alternate Pathway. TERUKO ISHIZAKA, CARMEN M. SIAN AND KIMISHIGE ISHIZAKA..... | 848 |
| A Rapid Solid Phase Radioimmunoassay for Staphylococcal B Enterotoxin. WILLIAM S. COLLINS, II, JOSEPH F. METZGER AND ANNA D. JOHNSON..... | 852 |
| Human Mononuclear Leukocyte Chemotaxis: A Quantitative Assay for Humoral and Cellular Chemotactic Factors. RALPH SNYDERMAN, LEONARD C. ALTMAN, MARVIN S. HAUSMAN AND STEPHAN E. MERGENHAGEN..... | 857 |