



SEE WHAT
YOU'VE BEEN MISSING

ADVANCED FLOW CYTOMETRY
THAT REVEALS UP TO 40 COLORS

LEARN MORE



136 (9)

J Immunol 1986; 136:3137-3507; ;
<http://www.jimmunol.org/content/136/9.citation>

This information is current as
of October 23, 2019.

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.



Contents

COMMUNICATION

- J. Erikson, J. F. Mushinski, and C. M. Croce 3137 The Locus for the Serum Prealbumin Is Proximal to the Heavy Chain Locus on Mouse Chromosome 12q⁺

CELLULAR IMMUNOLOGY

- J. C. Cambier, C. H. Heusser, and M. H. Julius 3140 Abortive Activation of B Lymphocytes by Monoclonal Anti-Immunoglobulin Antibodies
- R. L. Riley and N. R. Klinman 3147 The Affinity Threshold for Antigenic Triggering Differs for Tolerance Susceptible Immature Precursors vs Mature Primary B Cells
- E. Houssaint, A. Torano, and J. Ivanyi 3155 Split Tolerance Induced by Chick Embryo Thymic Epithelium Allografted to Embryonic Recipients
- S. Roy, D. P. Gold, and S. Leskowitz 3160 ABA-Specific Responses Are I Region Restricted by the Carriers Used for Immunization
- I. Kedar, Y. J. Rosenberg, and A. D. Steinberg 3166 Growth Regulation of Transformed T Cells by Nonactivated Macrophages: The Role of Ia Expression
- M. Akasaki, P. Jardieu, and K. Ishizaka 3172 Immunosuppressive Effects of Glycosylation Inhibiting Factor on the IgE and IgG Antibody Response
- H. C. Clevers, A. de Bresser, H. Kleinveld, F. H. J. Gmelig-Meyling, and R. E. Ballieux 3180 Wheat Germ Agglutinin Activates Human T Lymphocytes by Stimulation of Phosphoinositide Hydrolysis
- S. R. Abromson-Leeman, H. Der Simonian, M. Clabby, and H. Cantor 3184 Analysis of Insulin-Specific T Cell Clones. I. Strategy for Production of Clonotypic Antibody
- T. Abo, S. Sugawara, A. Amenomori, H. Itoh, H. Rikiishi, I. Moro, and K. Kumagai 3189 Selective Phagocytosis of Gram-Positive Bacteria and Interleukin 1-Like Factor Production by a Subpopulation of Large Granular Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

- A. Fischer, A. Durandy, G. Sterkers, and C. Griscelli 3198 Role of the LFA-1 Molecule in Cellular Interactions Required for Antibody Production in Humans
- M. Piantelli, L. M. Larocca, F. B. Aiello, N. Maggiano, A. Carbone, F. O. Ranelletti, and P. Musiani 3204 Proliferation of Phenotypically Immature Human Thymocytes with and without Interleukin 2 Receptors
- T. Hibi, M. A. Chan, D. Petsche, and H.-M. Dosch 3211 Phenotype, Frequency, and EBV Responsiveness of Human Marrow B and Pre-B Cells
- I. Bertoncello, S. H. Bartelmez, T. R. Bradley, E. R. Stanley, R. A. Harris, M. S. Sandrin, A. B. Kriegler, I. K. McNiece, S. D. Hunter, and G. S. Hodgson 3219 Isolation and Analysis of Primitive Hemopoietic Progenitor Cells on the Basis of Differential Expression of Qa-m7 Antigen

Continued on page 4

Continued from page 3

- G. Vinci, J. P. Vernant, C. Cordonnier, C. Bracq, H. Rochant, J. Breton-Gorius, and W. Vainchenker 3225 HLA-DR Restriction in Suppression of Hematopoiesis by T Cells from Allogenic Bone Marrow Transplants
- S. J. Tzartos, D. Sophianos, K. Zimmerman, and A. Starzinski-Powitz 3231 Antigenic Modulation of Human Myotube Acetylcholine Receptor by Myasthenic Sera: Serum Titer Determines Receptor Internalization Rate
- F. M. Hofman, R. I. von Hanwehr, C. A. Dinarello, S. B. Mizel, D. Hinton, and J. E. Merrill 3239 Immunoregulatory Molecules and IL 2 Receptors Identified in Multiple Sclerosis Brain
- J. B. Winfield, M. Shaw, and S. Minota 3246 Modulation of IgM Anti-Lymphocyte Antibody-Reactive T Cell Surface Antigens in Systemic Lupus Erythematosus
- A. A. Like, D. L. Guberski, and L. Butler 3254 Diabetic BioBreeding/Worcester (BB/Wor) Rats Need Not Be Lymphopenic
- B. L. Kotzin, R. Arndt, S. Okada, R. Ward, A. B. Thach, and S. Strober 3259 Treatment of NZB/NZW Mice with Total Lymphoid Irradiation: Long-Lasting Suppression of Disease without Generalized Immune Suppression
- V. J. Gauthier and M. Mannik 3266 Only the Initial Binding of Cationic Immune Complexes to Glomerular Anionic Sites Is Mediated by Charge-Charge Interactions
- F. Hirsch, J. Kuhn, M. Ventura, M.-C. Vial, G. Fournie, and P. Druet 3272 Autoimmunity Induced by HgCl₂ in Brown-Norway Rats. I. Production of Monoclonal Antibodies
- P. Lymberi, F. Hirsch, J. Kuhn, T. Ternynck, P. Druet, and S. Avrameas 3277 Autoimmunity Induced by HgCl₂ in Brown-Norway Rats. II. Monoclonal Antibodies Sharing Specificities and Idiotypes with Mouse Natural Monoclonal Antibodies

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- P. J. Martin, J. A. Ledbetter, Y. Morishita, C. H. June, P. G. Beatty, and J. A. Hansen 3282 A 44 Kilodalton Cell Surface Homodimer Regulates Interleukin 2 Production by Activated Human T Lymphocytes
- F. Shirakawa, Y. Tanaka, S. Eto, H. Suzuki, and U. Yamashita 3288 Requirement of Macrophages (Monocytes) for the Induction of Interleukin 2 Receptors on B Lymphocytes
- H. Vie and R. A. Miller 3292 Estimation by Limiting Dilution Analysis of Human IL 2-Secreting T Cells: Detection of IL 2 Produced by Single Lymphokine-Secreting T Cells
- T. Maki, S. Satomi, M. Gotoh, and A. P. Monaco 3298 Contra-IL 2: A Suppressor Lymphokine that Inhibits IL 2 Activity
- L. Rimsky, H. Wakasugi, P. Ferrara, P. Robin, J. Capdevielle, T. Tursz, D. Fradelizi, and J. Bertoglio 3304 Purification to Homogeneity and NH₂-Terminal Amino Acid Sequence of a Novel Interleukin 1 Species Derived from a Human B Cell Line
- P. J. Knudsen, C. A. Dinarello, and T. B. Strom 3311 Purification and Characterization of a Unique Human Interleukin 1 from the Tumor Cell Line U937
- C. Hauser, J.-H. Saurat, A. Schmitt, F. Jaunin, and J.-M. Dayer 3317 Interleukin 1 Is Present in Normal Human Epidermis
- J. K. Russell, M. P. Hayes, J. M. Carter, B. A. Torres, B. M. Dunn, S. W. Russell, and H. M. Johnson 3324 Epitope and Functional Specificity of Monoclonal Antibodies to Mouse Interferon- γ : The Synthetic Peptide Approach
- R. A. Aiyer, L. E. Serrano, and P. P. Jones 3329 Interferon- γ Binds to High and Low Affinity Receptor Components on Murine Macrophages
- M. G. Goodman 3335 Mechanism of Synergy between T Cell Signals and C8-Substituted Guanine Nucleosides in Humoral Immunity: B Lymphotropic Cytokines Induce Responsiveness to 8-Mercaptoguanosine
- M. Minami, H. Nariuchi, H. Kawasaki, and M. E. Dorf 3341 The Role of Class II MHC Molecules in the Activation of Class I-Reactive T Cell Hybridomas
- J. L. Ceuppens, L. Meurs, M. L. Baroja, and J. P. Van Wauwe 3346 Effect of T3 Modulation on Pokeweed Mitogen-Induced T Cell Activation: Evidence for an Alternative Pathway of T Cell Activation

Continued on page 5

IMMUNOCHEMISTRY

- | | | |
|--|------|---|
| H. Quill, R. H. Schwartz, and L. H. Glimcher | 3351 | E_b^k Mutant Antigen-Presenting Cell Lines Expressing Altered A_k^k Molecules |
| R. Marrakchi, A. B.-E. Gaaied, J. Roland, and P.-A. Cazenave | 3360 | Allotropy of the Rabbit $\kappa 2$ Light Chain: Evidence that the $\kappa 2$ Isotype Is Expressed by all Members of the Rabbit Species |
| P.-O. Couraud | 3365 | Structural Analysis of the Epitopes Recognized by Monoclonal Antibodies to Angiotensin II |
| E. M. Bahraoui, C. Granier, J. Van Rietschoten, H. Rochat, and M. E. Ayeub | 3371 | Specificity and Neutralizing Capacity of Antibodies Elicited by a Synthetic Peptide of Scorpion Toxin |
| R. J. Ziccardi | 3378 | Control of C1 Activation by Nascent C3b and C4b: A Mechanism of Feedback Inhibition |
| G. Kreuzpaintner, B. Damerau, B. Zimmermann, T. H. Plummer, Jr., and V. Brade | 3384 | Inactivation of C3a by a Monocarboxypeptidase Present in Culture Supernatants of Stimulated Guinea Pig Peritoneal Macrophages |
| T. Kinoshita, M. E. Medof, and V. Nussenzweig | 3390 | Endogenous Association of Decay-Accelerating Factor (DAF) with C4b and C3b on Cell Membranes |
| C. Walker, F. Kristensen, D. Bitter-Suermann, B. M. Stadler, and A. L. de Weck | 3396 | Interference of a C3-Fragment Preparation with IL 2-Dependent Proliferation |
| B. P. Morgan, D. K. Imagawa, J. R. Dankert, and L. E. Ramm | 3402 | Complement Lysis of U937, A Nucleated Mammalian Cell Line, in the Absence of C9: Effect of C9 on C5b-8 Mediated Cell Lysis |
| T. Kristensen, R. A. Wetsel, and B. F. Tack | 3407 | Structural Analysis of Human Complement Protein H: Homology with C4b Binding Protein, β_2 -Glycoprotein I, and the Ba Fragment of B |

IMMUNOPHARMACOLOGY

- | | | |
|---|------|---|
| I. F. Charo, C. Yuen, H. D. Perez, and I. M. Goldstein | 3412 | Chemotactic Peptides Modulate Adherence of Human Polymorphonuclear Leukocytes to Monolayers of Cultured Endothelial Cells |
| A. El-Hag, P. E. Lipsky, M. Bennett, and R. A. Clark | 3420 | Immunomodulation by Neutrophil Myeloperoxidase and Hydrogen Peroxide: Differential Susceptibility of Human Lymphocyte Functions |
| P. A. T. Tetteroo, M. J. E. Bos, F. J. Visser, and A. E. G. von dem Borne | 3427 | Neutrophil Activation Detected by Monoclonal Antibodies |
| D. B. Cines, H. van der Keyl, and A. I. Levinson | 3433 | In Vitro Binding of an IgE Protein to Human Platelets |
| M. L. Wardlow, C. P. Cox, K. E. Meng, D. E. Greene, and R. S. Farr | 3441 | Substrate Specificity and Partial Characterization of the PAF-Acylhydrolase in Human Serum that Rapidly Inactivates Platelet-Activating Factor |
| M. de Boer and D. Roos | 3447 | Metabolic Comparison between Basophils and Other Leukocytes from Human Blood |
| J. S. Goodwin and D. Atluru | 3455 | Mechanism of Action of Glucocorticoid-Induced Immunoglobulin Production: Role of Lipoxigenase Metabolites of Arachidonic Acid |
| S. B. Goldring, E. P. Amento, M. S. Roelke, and S. M. Krane | 3461 | The Adenosine 3':5'-Cyclic Monophosphate Response to Prostaglandin E_2 Is Altered in U937 Cells in Association with Maturation Events Induced by Activated T Lymphocytes and 1,25-Dihydroxvitamin D_3 |

MICROBIAL IMMUNOLOGY

- | | | |
|--|------|--|
| K. Takahashi, S. Kishimoto, H. Ohnuma, A. Machida, E. Takai, F. Tsuda, H. Miyamoto, T. Tanaka, K. Matsushita, K. Oda, Y. Mikakawa, and M. Mayumi | 3467 | Polypeptides Coded for by the Region Pre-S and Gene S of Hepatitis B Virus DNA with the Receptor for Polymerized Human Serum Albumin: Expression on Hepatitis B Particles Produced in the HBeAg or Anti-HBe Phase of Hepatitis B Virus Infection |
| C. Colmenares and C. Lopez | 3473 | Enhanced Lysis of Herpes Simplex Virus Type I-Infected Mouse Cell Lines by NC and NK Effectors |
| J. F. Bukowski and R. M. Welsh | 3481 | The Role of Natural Killer Cells and Interferon in Resistance to Acute Infection of Mice with Herpes Simplex Virus Type 1 |
| A. Aggarwal and T. E. Nash | 3486 | Lack of Cellular Cytotoxicity by Human Mononuclear Cells to <i>Giardia</i> |

Continued on page 6

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- B. S. Schepart, H. Takahashi, 3489 The Nucleotide Sequence and Comparative Analysis of the H-2D^b Class I H-
K. M. Cozad, R. Murray, K. 2 Gene
Ozato, E. Appella, and J. A.
Frelinger

TUMOR IMMUNOLOGY

- L. A. Matis, S. Shu, E. S. 3496 Adoptive Immunotherapy of a Syngeneic Murine Leukemia with a Tumor-
Groves, S. Zinn, T. Chou, A. Specific Cytotoxic T Cell Clone and Recombinant Human Interleukin 2:
M. Kruisbeek, M. Rosenstein, Correlation with Clonal IL 2 Receptor Expression
and S. A. Rosenberg
E. Nakayama, A. Uenaka, A. B. 3502 Molecular Basis of a Unique Tumor Antigen of Radiation Leukemia Virus-
DeLeo, E. Stockert, Y. Obata, Induced Leukemia B6RV2: Its Relation to MuLV gp70 of Xenotropic Class
R. Ueda, and Y. Inui
Announcements 3508
Author Index 3510