



THE DIFFERENCE OF
**BREAKING THROUGH BARRIERS
WITH BRILLIANCE**

ENABLING GREATER EXPERIMENTAL POWER WITH
AN EXTENSIVE PORTFOLIO OF **TRUSTED REAGENTS.**



Discover what BD Reagents
can do for your research >



136 (7)

J Immunol 1986; 136:2339-2719; ;
<http://www.jimmunol.org/content/136/7.citation>

This information is current as
of October 24, 2020.

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

- V. Meucci and R. F. Ashman 2339 Membrane Defects of the Tolerant B Cell. IV. Failure to Accelerate Antigen Receptor Loss

CELLULAR IMMUNOLOGY

- P. Carotenuto, O. Pontesilli, J. C. Cambier, and A. R. Howard 2342 Desferoxamine Blocks IL 2 Receptor Expression on Human T Lymphocytes
- T. R. Mosmann, H. Cherwinski, M. W. Bond, M. A. Giedlin, and R. L. Coffman 2348 Two Types of Murine Helper T Cell Clones. I. Definition According to Profiles of Lymphokine Activities and Secreted Proteins
- J. L. Greenstein, J. A. Foran, J. C. Gorga, and S. J. Burakoff 2358 The Role of T Cell Accessory Molecules in the Generation of Class II-Specific Xenogeneic Cytolytic T Cells
- B. C. Cole, M. M. Griffiths, G. J. Sullivan, and J. R. Ward 2364 Role of Non-RT1 Genes in the Response of Rat Lymphocytes to *Mycoplasma arthritidis* T Cell Mitogen, Concanavalin A, and Phytohemagglutinin
- V. Vetvicka, G. Lee, and P. W. Kincade 2370 Intrinsic B Lymphocyte and Macrophage Defects in C3H/HeJ Mice
- L. T. Clement, T. F. Tedder, and G. L. Gartland 2375 Antibodies Reactive with Class II Antigens Encoded for by the Major Histocompatibility Complex Inhibit Human B Cell Activation
- D. K. Goroff, A. Stall, J. J. Mond, and F. D. Finkelman 2382 In Vitro and In Vivo B Lymphocyte-Activating Properties of Monoclonal Anti- δ Antibodies. I. Determinants of B Lymphocyte-Activating Properties

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

- T. J. Palker, R. M. Scearce, T. D. Copeland, S. Oroszlan, and B. F. Haynes 2393 C-Terminal Region of Human T Cell Lymphotropic Virus Type I (HTLV_I) P19 Core Protein Is Immunogenic in Humans and Contains an HTLV_I-Specific Epitope
- R. H. Buckley, S. E. Schiff, H. A. Sampson, R. I. Schiff, M. L. Markert, A. P. Knutsen, M. S. Hershfield, A. T. Huang, G. H. Mickey, and F. E. Ward 2398 Development of Immunity in Human Severe Primary T Cell Deficiency Following Haploidentical Bone Marrow Stem Cell Transplantation
- V. A. Ewan, W. Cieplinski, W. W. Hancock, I. Goldschneider, A. W. Boyd, and F. R. Rickles 2408 Production and Characterization of a Monoclonal Antibody (A1-3) that Binds Selectively to Activated Monocytes and Inhibits Monocyte Procoagulant Activity
- W. W. Hancock, F. R. Rickles, V. A. Ewan, and R. C. Atkins 2416 Immunohistological Studies with A1-3, A Monoclonal Antibody to Activated Human Monocytes and Macrophages
- N. W. Boyce and S. R. Hodsworth 2421 Evidence for Direct Renal Injury as a Consequence of Glomerular Complement Activation

Continued on page 4

Continued from page 3

- J. O. Price, J. N. Whitaker, R. I. Vasu, and D. W. Metzger 2426 Multiple Epitopes in a Dodecapeptide of Myelin Basic Protein Determined by Monoclonal Antibodies
- D. G. Silberg and R. H. Swanson 2432 Autoimmune Effector Cells. VIII. Cellular Requirements for the Induction of Autoreactive T Cells of Experimental Allergic Encephalomyelitis in Nonimmune Rats
- P. Christadoss and M. J. Dauphinee 2437 Immunotherapy for Myasthenia Gravis: A Murine Model

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- M. Tsujimoto, Y. K. Yip, and J. Vilček 2441 Interferon- γ Enhances Expression of Cellular Receptors for Tumor Necrosis Factor
- V. Ruggiero, J. Tavernier, W. Fiers, and C. Baglioni 2445 Induction of the Synthesis of Tumor Necrosis Factor Receptors by Interferon- γ
- J. Wietzerbin, C. Gaudelet, M. Aguet, and E. Falcoff 2451 Binding and Cross-Linking of Recombinant Mouse Interferon- γ to Receptors in Mouse Leukemic L1210 Cells: Interferon- γ Internalization and Receptor Down-Regulation
- M. P. N. Nair, J. M. Cilik, and S. A. Schwartz 2456 Histamine-Induced Suppressor Factor Inhibition of NK Cells: Reversal with Interferon and Interleukin 2
- A. Harel-Bellan, J. Bertoglio, A. Guillet, C. Marchiol, H. Wakasugi, Z. Mishall, and D. Fradelizi 2463 Interleukin 2 (IL 2) Up-Regulates Its Own Receptor on a Subset of Human Unprimed Peripheral Blood Lymphocytes and Triggers Their Proliferation
- G. N. Gaulton and D. D. Eardley 2470 Interleukin 2-Dependent Phosphorylation of Interleukin 2 Receptors and other T Cell Membrane Proteins
- M. Gowan and G. R. Mundy 2478 Actions of Recombinant Interleukin 1, Interleukin 2, and Interferon- γ on Bone Resorption *In Vitro*
- R. Neta, S. Douches, and J. J. Oppenheim 2483 Interleukin 1 Is a Radioprotector
- P. Miossec, D. Cavender, and M. Ziff 2486 Production of Interleukin 1 by Human Endothelial Cells
- U. Gubler, A. O. Chua, A. S. Stern, C. P. Hellmann, M. P. Vitek, T. M. DeChiara, W. R. Benjamin, K. J. Collier, M. Dukovich, P. C. Familletti, C. Fiedler-Nagy, J. Jenson, K. Kaffka, P. L. Kilian, D. Stremlo, B. H. Wittreich, D. Woehle, S. B. Mizel, and P. T. Lomedico 2492 Recombinant Human Interleukin 1 α : Purification and Biological Characterization

IMMUNOCHEMISTRY

- I. Berkower, G. K. Buckenmeyer, and J. A. Berzofsky 2498 Molecular Mapping of a Histocompatibility-Restricted Immunodominant T Cell Epitope with Synthetic and Natural Peptides: Implications for T Cell Antigenic Structure
- A. Rearden 2504 Evolution of Glycophorin A in the Hominoid Primates Studied with Monoclonal Antibodies, and Description of a Sialoglycoprotein Analogous to Human Glycophorin B in Chimpanzee
- F. W. Klotz and M. D. Cooper 2510 A Feline Thymocyte Antigen Defined by a Monoclonal Antibody (FT2) Identifies a Subpopulation of Non-Helper Cells Capable of Specific Cytotoxicity
- D. D. Eckels, R. J. Hartzman, and A. H. Johnson 2515 Recognition of a Hybrid HLA-DP-Associated Determinant by a Human T Lymphocyte Clone
- M. S. Marks and P. Cresswell 2519 Invariant Chain Associates with HLA Class II Antigens Via Its Extracytoplasmic Region
- P. T. Le and R. F. Mortensen 2526 Induction and Regulation by Monokines of Hepatic Synthesis of the Mouse Serum Amyloid P-Component (SAP)

Continued on page 5

Continued from page 4

- M. Panneerselvam, S. Welt, L. J. Old, and C.-W. Vogel 2534 A Molecular Mechanism of Complement Resistance of Human Melanoma Cells
- D. E. Isenman and J. R. Young 2542 Covalent Binding Properties of the C4A and C4B Isotypes of the Fourth Component of Human Complement on Several C1-Bearing Cell Surfaces
- B. A. Fiedel and H. Gewurz 2551 Cleaved Forms of C-Reactive Protein Are Associated with Platelet Inhibition
- Y.-H. Chin, R. A. Rasmussen, J. J. Woodruff, and T. G. Easton 2556 A Monoclonal Anti-HEBF_{PP} Antibody with Specificity for Lymphocyte Surface Molecules Mediating Adhesion to Peyer's Patch High Endothelium of the Rat
- M. Umeda, I. Diego, E. D. Ball, and D. M. Marcus 2562 Idiotypic Determinants of Monoclonal Antibodies that Bind to 3-Fucosyllactosamine
- D. Jeske, E. C. B. Milner, O. Leo, M. Moser, J. Marvel, J. Urbain, and J. D. Capra 2568 Molecular Mapping of Idiotoypes of Anti-Arsonate Antibodies

IMMUNOPHARMACOLOGY

- T. H. Lee, E. Israel, J. M. Drazen, A. Gordon Leitch, J. Ravalese III, E. J. Corey, D. R. Robinson, R. A. Lewis, and K. F. Austen 2575 Enhancement of Plasma Levels of Biologically Active Leukotriene B Compounds during Anaphylaxis in Guinea Pigs Pretreated by Indomethacin or by a Fish Oil-Enriched Diet
- J. A. Warner, M. M. Pienkowski, M. Plaut, P. S. Norman, and L. M. Lichtenstein 2583 Identification of Histamine Releasing Factor(s) in the Late Phase of Cutaneous IgE-Mediated Reactions
- M. C. Liu, D. Proud, L. M. Lichtenstein, D. W. MacGlashan, Jr., R. P. Schleimer, N. Franklin Adkinson, Jr., A. Kagey-Sobotka, E. S. Schulman, and M. Plaut 2588 Human Lung Macrophage-Derived Histamine-Releasing Activity Is Due to IgE-Dependent Factors
- E. Bonvini, T. Hoffman, R. B. Herberman, and Luigi Varese 2596 Selective Augmentation by Recombinant Interferon- γ of the Intracellular Content of S-Adenosylmethionine in Murine Macrophages
- S. Kitagawa and R. B. Johnston, Jr. 2605 Deactivation of the Respiratory Burst in Activated Macrophages: Evidence for Alteration of Signal Transduction

MICROBIAL IMMUNOLOGY

- D. G. Russell and H. Wilhelm 2613 The Involvement of the Major Surface Glycoprotein (gp63) of *Leishmania* Promastigotes in Attachment to Macrophages
- M. T. Philipp and T. B. Davis 2621 Biochemical and Immunologic Characterization of a Major Surface Antigen of *Dirofilaria immitis* Infective Larvae
- T. E. Nash and A. Aggarwal 2628 Cytotoxicity of Monoclonal Antibodies to a Subset of *Giardia* Isolates
- R. A. Salata, A. Marginez-Palomo, H. W. Murray, L. Conales, N. Trevino, E. Segovia, C. F. Murphy, and J. O. Ravdin 2633 Patients Treated for Amebic Liver Abscess Develop Cell-Mediated Immune Responses Effective In Vitro against *Entamoeba histolytica*
- R. McLeod and D. G. Mack 2640 Secretory IgA Specific for *Toxoplasma gondii*
- B. L. Mangold and D. A. Dean 2644 Passive Transfer with Serum and IgG Antibodies of Irradiated Cercaria-Induced Resistance against *Schistosoma mansoni* in Mice
- D. S. Strayer and J. L. Leibowitz 2649 Reversal of Virus-Induced Immune Suppression
- M. Carl and G. A. Dasch 2654 Characterization of Human Cytotoxic Lymphocytes Directed against Cells Infected with Typhus Group Rickettsiae: Evidence for Lymphokine Activation of Effectors
- J. Tarkkanen, H. Saxén, M. Nurminen, P. H. Makela, and E. Saksela 2662 Bacterial Induction of Human Activated Lymphocyte Killing and Its Inhibition by Lipopolysaccharide (LPS)
- M. Yarnall and M. D. P. Boyle 2670 Identification of a Unique Receptor on a Group A Streptococcus for the Fc Region of Human IgG3

Continued on page 6

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- | | | |
|---|------|---|
| M. R. Mowatt and W. A. Dun-
nick | 2674 | DNA Sequence of the Murine $\gamma 1$ Switch Segment Reveals Novel Structural Elements |
| S. T. Ju, E. Selsing, M.-C.
Huang, K. Kelly, and M. E.
Dorf | 2684 | Genetic Analysis of Low $\lambda 1$ Chain Production in Mice |
| A. M. Stall, J. Quintáns, and M.
R. Loken | 2689 | T15 Idiotype Expression in the Murine Response to Phosphorylcholine Is Actively Regulated by Genes Linked to the <i>Igh-C</i> Locus |
| M. Hagiya, D. D. Davis, L. D.
Shultz, and H. Sakano | 2697 | Non-Germ-Line Elements (NGE) Are Present in the T Cell Receptor β -Chain Genes Isolated from the Mutant Mouse, Motheaten (<i>me/me</i>) |
| H. A. Young, J. R. Ortaldo, R.
B. Herberman, and C. W.
Reynolds | 2701 | Analysis of T Cell Receptors in Highly Purified Rat and Human Large Granular Lymphocytes (LGL): Lack of Functional 1.3 kb β -Chain mRNA |
| A. Ochi and N. Hozumi | 2705 | Enhanced Transcription in a Pre-B-Like Cell Line Transformed with Cloned Antibody Genes after Antigen-Specific Stimulation |

TUMOR IMMUNOLOGY

- | | | |
|--|------|---|
| J. M. Pesando, P. Hoffman, and
T. Conrad | 2709 | Malignant Human B Cells Express Two Population of p24 Surface Antigens |
| H. Fujiwara, T. Yoshioka, J.
Shima, A. Kosugi, K. Itoh,
and T. Hamaoka | 2715 | Helper T Cells against Tumor-Associated Antigens (TAA): Preferential Induction of Helper T Cell Activities Involved in Anti-TAA Cytotoxic T Lymphocyte and Antibody Responses |
| Announcements | 2720 | |
| Author Index | 2722 | |