

Contents

CELLULAR IMMUNOLOGY

- H. Zheng, M. Boyer, A. Fotedar,
B. Singh, and D. R. Green** 1351 An Antigen-Specific Helper T Cell Hybridoma Produces an Antigen-Specific Suppressor Inducer Molecule with Identical Antigenic Fine Specificity: Implications for the Antigen Recognition and Function of Helper and Suppressor Inducer T Cells
- G. Suzuki, Y., Kawase, S. Koy-
asu, I. Yahara, Y. Kobayashi,
and R. H. Schwartz** 1359 Antigen-Induced Suppression of the Proliferative Response of T Cell Clones
- M. H. Julius, M. Janusz, and J.
Lisowski** 1366 A Colostral Protein That Induces the Growth and Differentiation of Resting B Lymphocytes
- F. Faure, S. Jitsukawa, F. Trie-
bel, and T. Hercend** 1372 CD3/T1 γ A: a Functional γ -Receptor Complex Expressed on Human Peripher-
al Lymphocytes
- J. S. Cowdery and A. K. Pitts** 1380 Role of T Cells in Regulating Expression of the B Cell Repertoire: Anti-ssDNA Precursor Frequency of DBA/2 B Cells Is Increased in the Presence of T Cells from NZB Mice
- K. Kitamura, H. Kiyono, K. Fu-
jihashi, J. H. Eldridge, K. W.
Beagley, and J. R. McGhee** 1385 Isotype-Specific Immunoregulation: Systemic Antigen Induces Splenic T Contrasuppressor Cells Which Support IgM and IgG Subclass but Not IgA Responses
- G. D. Keizer, W. Visser, M.
Vliem, and C. G. Figdor** 1393 A Monoclonal Antibody (NKI-L16) Directed against a Unique Epitope on the α -Chain of Human Lymphocyte Function-Associated Antigen 1 Induces Homotypic Cell-Cell Interactions
- M. E. Sanders, M. W. Makgoba,
S. O. Sharroo, D. Stephany,
T. A. Springer, H. A. Young,
and S. Shaw** 1401 Human Memory T Lymphocytes Express Increased Levels of Three Cell Adhesion Molecules (LFA-3, CD2, LFA-1) and Three Other Molecules (UCHL1, CDw29, and Pgp-1) and Have Enhanced IFN- γ Production
- E. J. Gosselin, H.-P. Tony, and
D. C. Parker** 1408 Characterization of Antigen Processing and Presentation by Resting B Lymphocytes
- C. E. Bueso-Ramos, R. M. Don-
ahoe, J. K. A. Nicholson, J.
J. Madden, and A. Falek** 1414 Cytofluorometric Analyses of Human T Cell CD2/CD4 Inter-Molecular Interactions
- T. Mizuuchi and A. Singer** 1421 Intrathymic Differentiation and Tolerance Induction of Lymphokine-Se-
creting Lyt-2 $^{+}$ T Helper Cells
- J. Gordon, M. J. Millsum, G. R.
Guy, and J. A. Ledbetter** 1425 Resting B Lymphocytes Can Be Triggered Directly through the CDw40
(Bp50) Antigen: a Comparison with IL-4 Mediated Signaling
- M. Papernik, F. Lepault, and
C. Pontoux** 1431 Synergistic Effect of Colony-Stimulating Factors and IL-2 on Prothymocyte Proliferation Linked to the Maturation of Macrophage/Dendritic Cells within L3T4 $^{-}$ Lyt-2 $^{-}$ Ia $^{-}$ Mac $^{-}$ Cells
- H. M. Serra, J. F. Krowka, J. A.
Ledbetter, and L. M. Pilarski
F. Uher and H. B. Dickler** 1435 Loss of CD45R (Lp220) Represents a Post-Thymic T Cell Diferentiation Event
- J. Degwert, J. Heuer, and E.
Kölsch** 1442 Interactions between B Lymphocyte Subpopulations: Augmentation of the Responses of Resting B Lymphocytes by Activated B Lymphocytes
- J. G. Monroe** 1448 Specific In Vivo Suppression of Lymph Node Cell Proliferation and Humoral Immune Responses by Cloned Antigen-Specific T Suppressor Cells
- A. Wilson, A. D'Amico, T. Ew-
ing, R. Scollay, and K. Short-
man** 1454 Up-Regulation of c-fos Expression Is a Component of the mlg Signal Trans-
duction Mechanism but Is Not Indicative of Competence for Proliferation
- A. Wilson, T. Ewing, T. Owens,
R. Scollay, and K. Shortman** 1461 Subpopulations of Early Thymocytes: A Cross-Correlation Flow Cytometric Analysis of Adult Mouse Ly-2 $^{-}$ L3T4 $^{-}$ (CD8 $^{-}$ CD4 $^{-}$) Thymocytes Using Eight Different Surface Markers
- 1470 T Cell Antigen Receptor Expression by Subsets of Ly-2 $^{-}$ L3T4 $^{-}$ (CD8 $^{-}$ CD4 $^{-}$) Thymocytes

Continued on page 4

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

- N. Seki, Y. Sudo, T. Yoshioka, S. Sugihara, T. Fujitsu, S. Sakuma, T. Ogawa, T. Hamaoaka, H. Senoh, and H. Fujiiwara 1477 Type II Collagen-Induced Murine Arthritis. I. Induction and Perpetuation of Arthritis Require Synergy between Humoral and Cell-Mediated Immunity
- A. J. C. Petit, M. Tersmette, F. G. Terpstra, R. E. Y. de Goede, R. A. W. van Lier, and F. Miedema 1485 Decreased Accessory Cell Function by Human Monocytic Cells after Infection with HIV
- R. R. Caspi, F. G. Roberge, C.-C. Chan, B. Wiggett, G. J. Chader, L. A. Rozenszajn, Z. Lando, and R. B. Nussenblatt 1490 A New Model of Autoimmune Disease: Experimental Autoimmune Uveoretinitis Induced in Mice with Two Different Retinal Antigens
- C. Heilmann, T. Barington, and T. Sigsgaard 1496 Subclass of Individual IgA-Secreting Human Lymphocytes: Investigation of In Vivo Pneumococcal Polysaccharide-Induced and In Vitro Mitogen-Induced Blood B Cells by Monolayer Plaque-Forming Cell Assays
- A. M. Lamas, C. M. Mulroney, and R. P. Schleimer 1500 Studies on the Adhesive Interaction between Purified Human Eosinophils and Cultured Vascular Endothelial Cells
- A. Billiau, H. Heremans, F. Vandekerckhove, R. Dijkmans, H. Sobis, E. Meulepas, and H. Carton 1506 Enhancement of Experimental Allergic Encephalomyelitis in Mice by Antibodies against IFN- γ

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- S. Heidenreich, M. Weyers, J.-H. Gong, H. Sprenger, M. Nain, and D. Gems 1511 Potentiation of Lymphokine-Induced Macrophage Activation by Tumor Necrosis Factor- α
- S. R. Carding and K. Bottomly 1519 IL-4 (B Cell Stimulatory Factor 1) Exhibits Thymocyte Growth Factor Activity in the Presence of IL-2
- J. L. Liesveld, C. N. Abboud, R. J. Looney, D. H. Ryan, and J. K. Brennan 1527 Expression of IgG Fc Receptors in Myeloid Leukemic Cell Lines: Effect of Colony-Stimulating Factors and Cytokines
- J. Van Damme, J. Van Beeumen, B. Decock, J. Van Snick, M. De Ley, and A. Billiau 1534 Separation and Comparison of Two Monokines with Lymphocyte-Activating Factor Activity: [IL-1 β and Hybrodima Growth Factor (HGF). Identification of Leukocyte-Derived HGF as IL-6]
- P. M. Stuart, A. Zlotnik, and J. G. Woodward 1542 Induction of Class I and Class II MHC Antigen Expression on Murine Bone Marrow-Derived Macrophages by IL-4 (B Cell Stimulatory Factor 1)
- A. A. te Velde, J. P. G. Klomp, B. A. Yard, J. E. de Vries, and C. G. Figdor 1548 Modulation of Phenotypic and Functional Properties of Human Peripheral Blood Monocytes by IL-4
- L. A. Greenbaum, J. B. Horowitz, A. Woods, T. Pasqualini, E.-P. Reich, and K. Bottomly 1555 Autocrine Growth of CD4 $^{+}$ T Cells: Differential Effects of IL-1 on Helper and Inflammatory T Cells
- H. Hagiwara, T. Yokota, J. Luh, F. Lee, K.-I. Arai, N. Arai, and A. Zlotnik 1561 The AKR Thymoma BW5147 Is Able to Produce Lymphokines When Stimulated with Calcium Ionophore and Phorbol Ester
- L. F. L. Reis, J. Le, T. Hirano, T. Kishimoto, and J. Vilcek 1566 AntiViral Action of Tumor Necrosis Factor in Human Fibroblasts Is Not Mediated by B Cell Stimulatory Factor 2/IFN- β_2 and Is Inhibited by Specific Antibodies to IFN- β
- F. X. Real, A. Carrato, M. H. Schuessler, S. Welt, and H. F. Oettgen 1571 IFN- γ -Regulated Expression of a Differentiation Antigen of Human Cells

IMMUNOCHEMISTRY

- M. E. Daoudaki, J. D. Becherer, and J. D. Lambris 1577 A 34-Amino Acid Peptide of the Third Component of Complement Mediates Properdin Binding
- M. T. Michalek, E. G. Bremer, and C. Mold 1581 Effect of Gangliosides on Activation of the Alternative Pathway of Human Complement
- M. T. Michalek, C. Mold, and E. G. Bremer 1588 Inhibition of the Alternative Pathway of Human Complement by Structural Analogues of Sialic Acid
- U. Sjöbring, C. Falkenberg, E. Nielsen, B. Åkerström, and L. Björck 1595 Isolation and Characterization of a 14-kDa Albumin-Binding Fragment of Streptococcal Protein G
- M. R. Walker, A. Solomon, D. T. Weiss, H. F. Deutsch, and R. Jefferis 1600 Immunogenic and Antigenic Epitopes of Ig. XXV. Monoclonal Antibodies That Differentiate the Mcg^+ / Mcg^- and Oz^+ / Oz^- C Region Isotypes of Human λ L Chains
- J. M. Weiler and G. J. Gleich 1605 Eosinophil Granule Major Basic Protein Regulates Generation of Classical and Alternative-Amplification Pathway C3 Convertases In Vitro

IMMUNOPHARMACOLOGY

- E. Pick and R. Gadba 1611 Certain Lymphoid Cells Contain the Membrane-Associated Component of the Phagocyte-Specific NADPH Oxidase
- M. R. Elstad, S. M. Prescott, T. M. McIntyre, and G. A. Zimmerman 1618 Synthesis and Release of Platelet-Activating Factor by Stimulated Human Mononuclear Phagocytes

MICROBIAL IMMUNOLOGY

- B. G. Weinshenker, S. Wilton, and G. P. A. Rice 1625 Phorbol Ester-Induced Differentiation Permits Productive Human Cytomegalovirus Infection in a Monocytic Cell Line
- R. McLeod, J. K. Frenkel, R. G. Estes, D. G. Mack, P. B. Eisenhauer, and G. Gibori 1632 Subcutaneous and Intestinal Vaccination with Tachyzoites of *Toxoplasma gondii* and Acquisition of Immunity to Peroral and Congenital Toxoplasma Challenge
- R. Schafer, C. A. Nacy, and T. K. Eisenstein 1638 Induction of Activated Macrophages in C3H/HeJ Mice by Avirulent *Salmonella*
- M. F. Good, D. Pombo, W. L. Maloy, V. F. de la Cruz, L. H. Miller, and J. A. Berzofsky 1645 Parasite Polymorphism Present within Minimal T Cell Epitopes of *Plasmodium falciparum* Circumsporozoite Protein

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- S. J. Currier, J. L. Gallarda, and K. L. Knight 1651 Partial Molecular Genetic Map of the Rabbit V_H Chromosomal Region
- F. M. Rosa and M. Fellous 1660 Regulation of HLA-DR Gene by IFN- γ : Transcriptional and Post-Transcriptional Control
- N. E. Lee and M. M. Davis 1665 T Cell Receptor β -Chain Genes in BW5147 and Other AKR Tumors: Deletion Order of Murine V_β Gene Segments and Possible 5' Regulatory Regions

Continued from page 6

- D. Klein, J. Nietupski, S. Sirlin, and J. Stavnezer 1676 I.29 B Lymphoma Cells Express a Nonmutated V_H Gene before and after H Chain Switch
- R. Biassoni, S. Ferrini, I. Pri-gione, A. Moretta, and E. O. Long 1685 CD3-Negative Lymphokine-Activated Cytotoxic Cells Express the CD3 ϵ Gene
- S. Haskill, C. Johnson, D. Eier-man, S. Becker, and K. War-ren 1690 Adherence Induces Selective mRNA Expression of Monocyte Mediators and Proto-Oncogenes

TUMOR IMMUNOLOGY

- A. J. T. George, M. B. Speller-berg, and F. K. Stevenson 1695 Idiotypic Vaccination Leads to the Emergence of a Stable Surface Ig-Negative Variant of the Lymphoma BCL₁, with Different Growth Characteristics
- R. A. Hoffman, N. L. Ascher, M. L. Jordan, R. J. Migliori, and R. L. Simmons 1702 Characterization of the Natural Killer Activity Present in Sponge Matrix Allografts
- Letters to the Editor** 1711
- Errata** 1713
- Announcements** 1713
- Author Index** 1714