Contents

CELLULAR IMMUNOLOGY

M. G. Bastos, O. Panekewycz, V. E. Rubin-Kelley, J. R. Murphy, and T. B. Strom 3535 Concomitant Administration of Hapten and IL-2-Toxin (DAB405-IL-2) Results in Specific Deletion of Antigen-Activated T Cell Clones

L. M. Brunt, D. A. Portnoy, and E. R. Unanue 3540 Presentation of Listeria monocytogenes to CD8+ T Cells Requires Secretion of Hemolysin and Intracellular Bacterial Growth

D. Char, P. Sanchez, C.-L. H. Chen, R. P. Bucy, and M. D. Cooper 3547 A Third Sublineage of Avian T Cells Can Be Identified with a T Cell Receptor-3-Specific Antibody

R. F. Coico, S. L. Tamma, M. Bessler, C. F. Wei, and G. J. Thorbecke 3556 IgD-Receptor-Positive Human T Lymphocytes. I. Modulation of Receptor Expression by Oligomeric IgD and Lymphokines

F. D. Finkelman, D. K. Goroff, M. Fultz, S. C. Morris, J. M. Holmes, and J. J. Mond 3562 Polyclonal Activation of the Murine Immune System by an Antibody to IgD. X. Evidence that the Precursors of IgG1-Secreting Cells Are Newly Generated Membrane IgD+ B Cells Rather than the B Cells That Are Initially Activated by Anti-IgD Antibody

M. J. Gallina, V. K. Kuchroo, and J. K. Steele 3570 Serologic, Biologic, and Western Blot Analysis of a T Suppressor Factor with Specificity for the Hapten 4-Hydroxy-3-Nitrophenyl Acetyl Derived from Serum-Free Medium


G. Koopman, Y. van Kooyk, M. de Graaff, C. J. L. M. Meyer, C. G. Figdor, and S. T. Palu 3589 Triggering of the CD44 Antigen on T Lymphocytes Promotes T Cell Adhesion through the LFA-1 Pathway

A. Lees, S. C. Morris, G. Throphonitis, J. M. Holmes, J. K. Inman, and F. D. Finkelman 3594 Rapid Stimulation of Large Specific Antibody Responses with Conjugates of Antigen and Anti-IgD Antibody

A. Mansikka, S. Jalkanen, M. Sandberg, K. Granfors, O. Lassila, and P. Toivanen 3601 Bursectomy of Chicken Embryos at 60 Hours of Incubation Leads to an Oligoclonal B Cell Compartment and Restricted Ig Diversity

M. Mathur, B. G. Van Ness, and R. G. Lynch 3619 In Vivo and in Vitro Regulation of IgE Production in Murine Hybridomas

S. Murakami, K. Miyake, C. H. June, P. W. Kincaide, and R. J. Hodes 3618 IL-5 Induces a Pgp-1 (CD44) Bright B cell Subpopulation That Is Highly Enriched in Proliferative and Ig Secretory Activity and Binds to Hyaluronate


L. Racioppi, A. Moscarella, G. Ruggiero, C. Manzo, S. Ferrone, S. Fontana, and O. Zappacosta 3635 Inhibition by Anti-HLA Class II Monoclonal Antibodies of Monoclonal Antibody OKT3-Induced T Cell Proliferation; Studies at the mRNA Level

H. Renz, B. D. Mazer, and E. W. Gelfand 3641 Differential Inhibition of T and B Cell Function in IL-4-Dependent IgE Production by Cyclosporin A and Methylprednisolone

V. L. Seyfert, S. McMahon, W. Glenn, X. Cao, V. P. Sukhatme, and J. G. Monroe 3647 Egr-1 Expression in Surface Ig-Mediated B Cell Activation: Kinetics and Association with Protein Kinase C Activation

C. M. Snapper and F. D. Finkelman 3654 Rapid Loss of IgM Expression by Normal Murine B Cells Undergoing IgG1 and IgE Class Switching after in Vivo Immunization

G. J. Spangrude and R. Scolary 3661 Differentiation of Hematopoietic Stem Cells in Irradiated Mouse Thymic Lobes: Kinetics and Phenotype of Progeny

Continued on page 4
Lymphocyte Adhesion to Cultured Peyer’s Patch High Endothelial Venule Cells Is Mediated by Organ-Specific Homing Receptors and Can Be Regulated by Cytokines

Defective Oral Tolerance Promotes Nephritogenesis in Experimental IgA Nephropathy Induced by Oral Immunization

Epitope Mapping of Human Thyroglobulin: Heterogeneous Recognition by Thyroid Pathologic Sera

HIV Inhibits the Early Steps of Lymphocyte Activation, Including Initiation of Inositol Phospholipid Metabolism

Enrichment and Function of Urushiol (Poison Ivy)-Specific T Lymphocytes in Lesions of Allergic Contact Dermatitis to Urushiol

Functional Expression of HLA-C Blank Antigens on Human Blood Lymphocytes

[125I]Fibrin Deposition Occurs at Both Early and Late Intervals of IgE-Dependent or Contact Sensitivity Reactions Elicited in Mouse Skin: Mast Cell-Dependent Augmentation of Fibrin Deposition of Early Intervals in Combined IgE-Dependent and Contact Sensitivity Reactions

IgG Antibodies from Patients with Bullous Pemphigoid Bind to Localized Epitopes on Synthetic Peptides Encoded by Bullous Pemphigoid Antigen cDNA

Hemorrhage in Mice Produces Alterations in Pulmonary B Cell Repertoires

Two Distinct Lymphocyte Populations Mediate Simian Immunodeficiency Virus Envelope-Specific Target Cell Lysis

Binding of IL-1β to α-Macroglobulins and Release by Thioredoxin

IL-1 Regulation of Transin/Stromelysin Transcription in Rheumatoid Synovial Fibroblasts Appears to Involve Two Antagonistic Transduction Pathways, an Inhibitory, Prostaglandin-Dependent Pathway Mediated by cAMP, and a Stimulatory, Protein Kinase C-Dependent Pathway

Requirement of Endogenous Tumor Necrosis Factor/Cachectin for Recovery from Experimental Peritonitis

Independent Regulation of IFN-γ and Tumor Necrosis Factor by IL-1 in Human T Helper Cells

Transforming Growth Factor β1 Increases IgA Isotype Switching at the Clonal Level

Growth Factor-Dependent Differentiation along the Myeloid and Lymphoid Lineages in an Immature Acute T Lymphocytic Leukemia

Pharmacologic Evidence for the Requirement of Protein Kinase C in IFN-Induced Macrophage Fcγ Receptor and la Antigen Expression

IL-4 Directs the Development of Th2-Like Helper Effectors
IMMUNOCHEMISTRY

M. Adib, J. Ragimbeau, S. Avrameas, and T. Ternynck
J. R. Apgar

P. J. Hanley, I. M. Seppelt, A. A. Gooley, J. W. Hook, and R. L. Raison
L. J. McNeilage, E. M. MacMillan, and S. F. Whittingham
C. Mold, E. I. Walter, and M. E. Medof
B. Shopes, M. Weetall, D. Howluka, and B. Baird
M. Weetall, B. Shopes, D. Howluka, and B. Baird

IMMUNOPHARMACOLOGY

T. W. Du Clos, C. Mold, and R. F. Stump
R. J. Hohman, T. Hultsch, and E. Talbot
L. Koenderman, A. T. J. Tool, D. Roos, and A. J. Verhoeven

MICROBIAL IMMUNOLOGY

A. Sher, R. L. Coffman, S. Hieny, and A. W. Cheever

3807 IgG Autoantibody Activity in Normal Mouse Serum Is Controlled by IgM
3814 Antigen-Induced Cross-Linking of the IgE Receptor Leads to an Association with the Detergent-Insoluble Membrane Skeleton of Rat Basophilic Leukemia (RBL-2H3) Cells
3823 Distinct Ig H Chains in a Primitive Vertebrate, Eptatretus stouti
3829 Mapping of Epitopes on the La(SS-B) Autoantigen of Primary Sjögren’s Syndrome: Identification of a Cross-Reactive Epitope
3836 The Influence of Membrane Components on Regulation of Alternative Pathway Activation by Decay-Accelerating Factor
3842 Recombinant Human IgGI-Murine IgE Chimeric Ig: Construction, Expression, and Binding to Human Fcy Receptors
3849 Mapping the Site of Interaction between Murine IgE and Its High Affinity Receptor with Chimeric Ig
3855 The Mechanism of Mediator Release from Human Basophils Induced by Platelet-Activating Factor
3862 IgG-Dependent Generation of Platelet-Activating Factor by Normal and Low Density Human Eosinophils
3869 Identification of a Polypeptide Sequence That Mediates Nuclear Localization of the Acute Phase Protein C-Reactive Protein
3876 IgE Receptor-Mediated Phosphatidylinositol Hydrolysis and Exocytosis from Rat Basophilic Leukemia Cells Are Independent of Extracellular Ca2+ in a Hypotonic Buffer Containing a High Concentration of K+
3883 Priming of the Respiratory Burst in Human Eosinophils Is Accompanied by Changes in Signal Transduction
3889 Molecular Characterization and Functional Analysis of the Leukocyte Surface Protein CD31
3898 Mycobacterium leprae-Specific T Cells from a Tuberculoid Leprosy Patient Suppress HLA-DR3-Restricted T Cell Responses to an Immunodominant Epitope on 65-kDa hsp of Mycobacteria
3905 Glutathione S-transferase: Novel Vaccine against Fasciola hepatica Infection in Sheep
3911 Ablation of Eosinophil and IgE Responses with Anti-IL-5 or Anti-IL-4 Antibodies Fails to Affect Immunity against Schistosoma mansoni in the Mouse

Continued on page 6
C. Steel, R. J. Limberger, L. A. McReynolds, E. A. Ottesen, and T. B. Nutman

B Cell Responses to Paramyosin: Isotypic Analysis and Epitope Mapping of Filarial Paramyosin in Patients with Onchocerciasis

MOLECULAR BIOLOGY • MOLECULAR GENETICS

H. Kubota, H. Okazaki, M. Onuma, S. Kano, M. Hattori, and N. Minato

Identification and Gene Cloning of a New Phosphatidylinositol-Linked Antigen Expressed on Mature Lymphocytes: Down-Regulation by Lymphocyte Activation

L. Yu, C. Peng, S. M. Starnes, R. S. Liou, and T. W. Chang

Two Isoforms of Human Membrane-Bound α Ig Resulting from Alternative mRNA Splicing in the Membrane Segment

TUMOR IMMUNOLOGY

A. Wilson, A. J. T. George, C. M. King, and F. K. Stevenson

Recognition of a B Cell Lymphoma by Anti-Idiotypic T Cells

Letter to the Editor

Errata

Announcement

Author Index