Contents

CELLULAR IMMUNOLOGY

V. David, H. Bachelez, G. Leca, L. Degos, L. Boumsell, and A. Bensussan

S. M. Denning, P. T. Le, K. H. Singer, and B. F. Haynes


J. Koide and E. G. Engleman

M. Liu, M. J. Skeen, and R. B. Fritz

M. Nowicki, B. Yankelevich, K. Khiky, and G. Dennert

F. Stab, F. Austrup, and E. Fritz

K. Kolsch

Identification of a Novel 110-Kilodalton Structure Expressed on a Subset of T Cell Receptor-γδ-Bearing Cloned Lymphocytes

Antibodies against the CD44 p80, Lymphocyte Homing Receptor Molecule Augment Human Peripheral Blood T Cell Activation

Inhibition of Antigen-Specific Proliferation of Type 1 Murine T Cell Clones after Stimulation with Immobilized Anti-CD3 Monoclonal Antibody

Expression of Two Distinct Cytolytic Mechanisms among Murine CD4 Subsets

Differences in Surface Phenotype and Mechanism of Action between Alloantigen-Specific CD8+ Cytotoxic and Suppressor T Cell Clones

Failure of (SJL/J × PL/J)F1 Hybrid Mice to Develop Immunologic Tolerance to Vp 17af T Cells Results in F1 Anti-SJL Mixed Lymphocyte Reaction

Induction of Tolerance to Parental Marrow Grafts in F1 Hybrid Mice: Evidence for Recognition of Self-Antigens

Regulation of the Anti α(1–3) Dextran IgG Antibody Response of BABL/c Mice by Idiotype-Specific T Suppressor Lymphocytes

FIELD IMMUNOLOGY

A. Durandy, L. Thuillier, M. Forveille, and A. Fischer

R. Gillitzer and L. M. Pilarski

W. H. Hines, R. A. Mann, C. J. Kelly, and E. G. Neilson


M. G. Kruger and R. L. Riley


M. D. Miller, C. I. Lord, V. Stalard, G. P. Mazzara, and N. L. Leitam


S. Shintani, J. Satoh, H. Seino, Y. Goto, and T. Toyota

C. R. Wira, C. P. Sandoe, and M. G. Steele

Phenotypic and Functional Characteristics of Human Newborns’ B Lymphocytes

In Situ Localization of CD45 Isoforms in the Human Thymus Indicates a Medullary Location for the Thymic Generative Lineage

Murine Interstitial Nephritis. IX. Induction of the Nephritogenic Effector T Cell Repertoire with an Antigen-Specific T Cell Cytokine

Immunosuppression and Lymphoid Hypoplasia Associated with Chronic Graft Versus Host Disease Is Dependent upon IFN-γ Production

Cytopathic Effect Determined by the Amount of CD4 Molecules in Human Cell Lines Expressing Envelope Glycoprotein of HIV

The Age-Dependent Loss of Bone Marrow B Cell Precursors in Autoimmune NZ Mice Results from Decreased Mitotic Activity, but Not from Inherent Stromal Cell Defects

An Immunodominant Murine Lymphoma Cell Surface Heterodimer Marks Thymic Progenitor Subsets

The gag-Specific Cytotoxic T Lymphocytes in Rhesus Monkeys Infected with the Simian Immunodeficiency Virus of Macaques

Proliferation of Astrocytes In Vitro in Response to Cytokines: A Primary Role for Tumor Necrosis Factor

Mechanism of Action of a Streptococcal Preparation (OK-432) in Prevention of Autoimmune Diabetes in NOD Mice: Suppression of Generation of Effector Cells for Pancreatic B Cell Destruction

Glucocorticoid Regulation of the Humoral Immune System. I. In Vivo Effects of Dexamethasone on IgA and IgG in Serum and at Mucosal Surfaces

Continued on page 4
Continued from page 3

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

F. Bacle, N. Haeffner-Cavail- lon, M. Laude, C. Couturier, and M. D. Kazatchkine


J. Suttles, L. M. Carruth, and S. B. Mize

J. Suttles, J. G. Girl, and S. B. Mize


Induction of IL-1 Release through Stimulation of the C3b/C4b Complement Receptor Type One (CR1, CD35) on Human Monocytes

Detection of Neutrophil-Activating Peptide NAP/IL-8 and NAP/IL-8 mRNA in Human Recombinant IL-1α- and Human Recombinant Tumor Necrosis Factor-α-Stimulated Human Dermal Fibroblasts: An Immunocytochemical and Fluorescent In Situ Hyridization Study

Direct Evidence for an Intracellular Role for Tumor Necrosis Factor-α: Microinjection of Tumor Necrosis Factor Kills Target Cells

Detection of IL-1α and IL-1β in the Supernatants of Paraformaldehyde-Treated Human Monocytes: Evidence against a Membrane Form of IL-1

IL-1 Secretion by Macrophages: Enhancement of IL-1 Secretion and Processing by Calcium Ionophores

IL-5 Up-Regulates But IL-4 Down-Regulates IL-2R Expression on a Cloned B Lymphoma Line

IMMUNOCHEMISTRY


P. Garred, T. E. Michaelaens, A. Aase, and T. E. Mollnes

M. Hessing, R. A. A. Vlooswijk, T. M. Hackeng, D. Kanters, and B. N. Bouma

N. V. Katre

S. Lederman, M. J. Yellin, A. M. Cleary, R. Gulick, and L. Chess

E. I. B. Peerschke and B. Ghebrehiwet


J. M. Tebo and R. F. Mortensen

G. C. Tsokos, T. Kinoshita, G. Thyphronitis, A. D. Patel, H. B. Dickler, and F. D. Finkelman

Constitutive and Induced Phosphorylation of the α- and β-Chains of the CD11/CD18 Leukocyte Integrin Family: Relationship to Adhesion-Dependent Functions

C3, C4, and the Terminal Complement Complex Differ from C1q by Binding Predominantly to the Antigenic Part of Solid Phase Immune Complexes

The Localization of Heparin-Binding Fragments on Human C4b-Binding Protein

Immunogenicity of Recombinant IL-2 Modified by Covalent Attachment of Polyethylene Glycol

Recombinant, Truncated CD4 Molecule (rT4) Binds IgG

Modulation of Platelet Responses to Collagen by C1q Receptors

Effect of Isotypes and Allelic Polymorphism on the Binding of Staphylococcal Exotoxins to MHC Class II Molecules

Characterization and Isolation of a C-Reactive Protein Receptor from the Human Monocytic Cell Line U-937

Interactions between Murine B Lymphocyte Surface Membrane Molecules: Loaded but Not Free Receptors for Complement and the Fe Portion of IgG Co-Cap Independently with Cross-Linked Surface Ig

IMMUNOPHARMACOLOGY

D. Collado-Escobar, J. R. Cunha-Melo, and M. A. Beaven


Treatment with Dexamethasone Down-Regulates IgE-Receptor-Mediated Signals and Up-Regulates Adenosine-Receptor-Mediated Signals in a Rat Mast Cell (RBL-2H3) Line

Distinct Mechanisms of Suppression of Murine T Cell Activation by the Related Macrolides FK-506 and Rapamycin

Continued on page 5
Necessity of IgE Antibodies and Mast Cells for Manifestation of Resistance against Larval Haemaphysalis longicornis Ticks in Mice

Alterations in the Pattern of Arachidonate Metabolism Accompany Rat Macrophage Differentiation in the Lung

MICROBIAL IMMUNOLOGY

Recognition of Soluble Theileria parva Antigen by Bovine Helper T Cell Clones: Characterization and Partial Purification of the Antigen

Activated Macrophages Destroy Intracellular Leishmania major Amastigotes by an l-Arginine-Dependent Killing Mechanism

Cross-Antigenicity between the Major Surface Proteins (ospA and ospB) and Other Proteins of Borrelia burgdorferi

Elevated Natural Killer Cell Responses in Mice Infected with Recombinant Vaccinia Virus Encoding Murine IL-2

Effects of Cyclosporin A on IL-2 Production and Lymphocyte Proliferation during Infection of Mice with Lymphohytic Choriomeningitis Virus

Protection against Murine Neonatal Herpes Simplex Virus Infection by Lymphokine-Treated Human Leukocytes

A Selective Signaling Defect in Helper T Cells Induced by Antigen-Presenting Cells from Mice with Murine Acquired Immunodeficiency Syndrome

Fibroblast Stimulation in Schistosomiasis. IX. Schistosomal Egg Granulomas from Congenitally Athymic Mice Are Deficient in Production of Fibrogenic Factors

MOLECULAR BIOLOGY • MOLECULAR GENETICS

Unmethylation of Specific Sites in the 5′ Region is Critical for the Expression of Murine αFcyR Gene

Cell Surface Expression of Hybrid Murine/Human MHC Class II αα Dimers: Key Influence of Residues in the Amino-Terminal Portion of the β Domain

Tissue-Specific Expression of Allogeneic Class II MHC Molecules Induces Neither Tissue Rejection nor Clonal Inactivation of Alloreactive T Cells

Alternate Splice Sites within the Human Vα Gene Coding Sequences Lead to Truncated Ig μ-Chains

Expression of Identical VαVβ Gene Pairs by IE-Alloreactive and IE-Restricted, Antigen-Specific T Cells from MHC Disparate Mice: Evidence for Thymic Selection of V(D)J Combinations

Demonstration of an Unusual Allelic Variation of Mouse Factor H by the Complete cDNA Sequence of the H.2 Allotype

Patterns and Extent of Isotype-Specificity in the Murine H Chain Switch DNA Rearrangement

Molecular Cloning and Expression of the Mouse High Affinity Fc Receptor for IgG

Continued on page 6
Continued from page 5

D. L. Woodland, B. L. Kotzin, and E. Palmer

Functional Consequences of a T Cell Receptor Dβ2 and Jβ2 Gene Segment Deletion

Z. K. Ballas and W. Rasmussen

Lymphokine-Activated Killer (LAK) Cells. IV. Characterization of Murine LAK Effector Subpopulations


Clonal Diversity in Human B Cell Lymphoma. I. Idiotypic and Genetic Analysis of Lymphoma Heterohybrids

Erratum

408

Author Index

409