Contents

CELLULAR IMMUNOLOGY

K.-P. N. Chow and J. R. Bat-tisto 1005
Down-Regulation of Cytotoxic T Lymphocyte Development by a Minor Stimulat-
ing Locus-Induced Suppressor Cascade That Involves Lyt-1+ Suppres-
sor T Cells, IA+ Macrophages, and Their Factors

A. G. Farr, S. K. Anderson, S.
C. Braddy, and J. L. V. Me-
jino, Jr. 1014
Selective Binding of Dolichos biflorus Agglutinin to L3T4+. Lyt-2+ Thymo-
cytes: Expression of Terminal α-Linked N-Acetyl-β-Galactosamine Resi-
dues Defines a Subpopulation of Fetal and Adult Murine Thymocytes

F. D. Finkelman, I. M. Katona,
T. R. Mosmann, and R. L.
Coffman 1022
IFN-γ Regulates the Isootypes of Ig Secreted during In Vivo Humoral Immune
Responses

T. Hara, L. K. L. Jung, and S.
M. Fu 1028
Expression of a 33-kDa Antigen Tm 1 on Lymphocyte Surface after Modu-
lation of Cell Surface Antigens by IgM Monoclonal Antibody

W. L. Havran, D. W. Lancki, R.
L. Moldwin, D. P. Dialynas,
and F. W. Fitch 1034
Characterization of an Anti-Ly-6 Monoclonal Antibody which Defines and
Activates Cytolytic T Lymphocytes

W. Holter, O. Majdic, H. Stock-
inger, B. H. Howard, and W.
Knapp 1043
Regulation of the CD2 Alternate Pathway of T Cell Activation by CD3:
Evidence for Heterologous Desensitization

R. C. Howe and H. R. Mac-
Donald 1047
Heterogeneity of Immature (Lyt-2+/L3T4+) Thymocytes: Identification of
Four Major Phenotypically Distinct Subsets Differing in Cell Cycle Status
and In Vitro Activation Requirements

T. J. Laing and A. Weiss 1056
Evidence for IL-2 Independent Proliferation in Human T Cells

P. Lee, G. R. Matsueda, and P.
M. Allen 1063
T Cell Recognition of Fibrinogen: A Determinant on the Aa-Chain Does Not
Require Processing

A. Rwer-Vigouroux, M. El
Aycb, M.-L. Defendini, C.
Granier, and M. Pierres 1069
Processing by Accessory Cells for Presentation to Murine T Cells of Apmarn,
da Disulfiide-Bounded 18 Amino Acid Peptide

B. Rocha, A. Lehuen, and M.
Papiernik 1076
IL-2-Dependent Proliferation of Thymic Accessory Cells

J. M. Rojo and C. A. Janeway,
Jr. 1081
The Biologic Activity of Anti-T Cell Receptor V Region Monoclonal Anti-
bodies Is Determined by the Epitope Recognized

L. Torenti, D. M. Pardoll, J. C.
Zuñiga, J. Hu-Li, W. E. Paul,
J. A. Bluestone, and A. M.
Kruisbeek 1089
Proliferation and Production of IL-2 and B Cell Stimulatory Factor 1/IL-4 in
Early Fetal Thymocytes by Activation through Thy-1 and CD3

R. F. Todd III, M. D. Adams, C.
E. Rogers, L. R. Tripp, and D.
Y. Liu 1095
Evidence for an Intracellular Pool of a Migration Inhibitory Factor-Associ-
ated, Activation Antigen of Human Mononuclear Phagocytes, M03e

G. Trenn, H. Takayama, J. Hu-
Li, W. E. Paul, and M. V. Sit-
kovsky 1101
B Cell Stimulatory Factor 1 (IL-4) Enhances the Development of Cytotoxic
T Cells from Lyt-2+ Resting Murine T Lymphocytes

R. J. van de Griend, J. Borst,
W. J. M. Tax, and R. L. H.
Bolhuis 1107
Functional Reactivity of WT31 Monoclonal Antibody with T Cell Receptor-
γ Expressing CD3+4-8- T Cells

Continued on page 4
**CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY**

1. L. Campbell, L. Oxbrow, M. Koummanda, and L. C. Harrison
4. A. H. McDonald and R. H. Swanborg
5. H. E. Prince, S. Kleinman, and A. E. Williams

1.111 IFN-γ Induces Islet Cell MHC Antigens and Enhances Autoimmune, Streptozotocin-Induced Diabetes in the Mouse
1.117 Characterization of a Promonocyte Clone Chronically Infected with HIV and Inducible by 13-Phorbol-12-Myristate Acetate
1.123 Evolution of B Cell Lineage Lymphomas in Mice with a Retrovirus-Induced Immunodeficiency Syndrome, MAIDS
1.132 Antigen-Specific Inhibition of Immune Interferon Production by Suppressor Cells of Autoimmune Encephalomyelitis
1.139 Soluble IL-2 Receptor Levels in Serum from Blood Donors Seropositive for HIV

**CYTOKINES • MEDIATORS • REGULATORY MOLECULES**

1. O. Bakouche, Y. Ichinose, R. Heicappell, I. J. Fidler, and L. B. Lachman
2. R. P. Bucy, D. W. Hanto, E. Berens, and R. D. Schreiber
4. A. Kelso and T. Owens
6. A. Tominaga, M. Matsumoto, N. Harada, T. Takahashi, Y. Kikuchi, and K. Takatsu

1.112 Plasma Membrane-Associated Tumor Necrosis Factor: a Non-Integral Membrane Protein Possibly Bound to Its Own Receptor
1.114 Lack of an Obligate Role for IFN-γ in the Primary In Vitro Mixed Lymphocyte Response
1.115 Purification and Partial Sequence of Rabbit Polymorphonuclear Leukocyte-Derived Lymphocyte Proliferation Potentiating Factor Resembling IL-1α
1.119 Production of Two Hemopoietic Growth Factors Is Differentially Regulated in Single T Lymphocytes Activated with an Anti-T Cell Receptor Antibody
1.120 Both B151-T Cell-Replacing Factor 1 and IL-5 Regulate Ig Secretion and IL-2 Expression on a Cloned B Lymphoma Line
1.125 Molecular Properties and Regulation of mRNA Expression for Murine T Cell-Replacing Factor/IL-5
1.128 Monoclonal Antipeptide Antibodies Recognize IL-3 and Neutralize its Bioactivity In Vivo

**IMMUNOCHEMISTRY**

2. L. Björck
3. L. A. Jensen and B. D. Schwartz
4. L. A. Jensen and B. D. Schwartz
5. H. Kimura, R. Cook, K. Meek, M. Umeda, E. Ball, J. D. Capra, and D. M. Marcus

1.118 Characterization of Prion Proteins with Monospecific Antisera to Synthetic Peptides
1.119 Protein L: A Novel Bacterial Cell Wall Protein with Affinity for IgL Chains
1.1198 A Novel Guinea Pig Macrophage-Specific Polymorphic Molecule. I. Biochemistry, Genetics, and Tissue Distribution
1.1206 A Novel Guinea Pig Macrophage-Specific Polymorphic Molecule. II. Biochemical Analysis of the Polymorphism
1.1212 Sequences of the VH and VL Regions of Murine Monoclonal Antibodies against 3-Fucosyllactosamine
1.1218 Electrostatic Properties of Cryoimmunoglobulins

Continued on page 5
Nonimmune Binding of Ig to Clostridium perfringens: Preferential Binding of IgM and Aggregated IgG

Identification of a C3b/ic3 Binding Protein of Rabbit Platelets and Leukocytes: a CR1-Like Candidate for the Immune Adherence Receptor

Protein Rou: A Human IgA Hybrid

The Elevated Natural Killer Sensitivity of Targets Carrying Surface-Attached C3 Fragments Require the Availability of the iC3b Receptor (CR3) on the Effectors

Regulation of Synthesis of Macrophage Adhesion Molecule, a Heterodimeric Membrane Glycoprotein

Toxic Shock Syndrome Toxin-1 Induces Inositol Phospholipid Turnover, Protein Kinase C Translocation, and Calcium Mobilization in Human T Cells

Cytochalasin Stimulates Phosphoinositide Metabolism in Murine B Lymphocytes

Protein Kinase C Inhibitors Block the Activation of Macrophages by IFN-β but not by IFN-γ

HA2 Subunit of Influenza A H1 and H2 Subtype Viruses Induces a Protective Cross-Reactive Cytotoxic T Lymphocyte Response

Suppression of T Lymphocyte Function by Measles Virus Is Due to Cell Cycle Arrest in G1

Effective Immunization against Cutaneous Leishmaniasis with Defined Membrane Antigens Reconstituted into Liposomes

Virus-Lymphocyte Interactions. II. Expression of Viral Sequences during the Course of Persistent Lymphocytic Choriomeningitis Virus Infection and Their Localization to the L3T4 Lymphocyte Subset

Cell Surface Expression and Alloantigenic Function of a Human Class I MHC Heavy Chain Gene (HLA-B7) in Transgenic Mice

Expression of Class I HLA Genes by Trophoblast Cells: Analysis by In Situ Hybridization

Molecular Genotypes of the Human T Cell Receptor γ-Chain

The Immune Response Toward β-Adrenergic Ligands and Their Receptors. VIII. Extensive Diversity of V h and V l Genes Encoding Anti-Alprenolol Antibodies

Inducible Expression of Transfected κ Light Chains by Lipopolysaccharide and IFN-γ in the Murine B Lymphoma, 70Z/3

Molecular Cloning of the Murine Homologue of CD2: Homology of the Molecule to Its Human Counterpart T11

B Lymphoblastoid Cell Lines with Rearranged T Cell Receptor β-Chain Genes Retain Conventional B Cell Surface Antigen and Ig Expression

Continued on page 6
In Vivo Effects of Recombinant IL-2. 1. Isolation of Circulating Leu-19+ Lymphokine-Activated Killer Effector Cells from Cancer Patients Receiving Recombinant IL-2

Monoclonal Antibody against IFN-γ Inhibits Moloney Murine Sarcoma Virus-Specific Cytotoxic T Lymphocyte Differentiation

Cytolysis of Tumor Necrosis Factor (TNF)-Resistant Tumor Targets: Differential Cytotoxicity of Monocytes Activated by the Interferons, IL-2, and TNF

Author Index