This information is current as of April 9, 2017.
Contents

CELLULAR IMMUNOLOGY


M. J. Stadecker and E. R. Unanue 568 The Regulation of Thymidine Secretion by Macrophages

A. C. Stern, P. Erb, and R. H. Gisler 612 Ia-Bearing Bone Marrow-Cultured Macrophages Induce Antigen-Specific Helper T Cells for Antibody Synthesis

G. Fernandes, F. Carandente, E. Halberg, F. Halberg, and R. A. Good 622 Circadian Rhythm in Activity of Lympholytic Natural Killer Cells from Spleens of Fischer Rats

A. Kijlstra, L. A. van Es, and M. R. Daha 640 Effects of C1t on the Size of Soluble Immune Aggregates and on Their Processing by Macrophages

F. UytdeHaag, C. J. Heijnen, K. H. Pot, and R. E. Ballieux 646 T-T Interactions in the Induction of Antigen-Specific Human Suppressor T Lymphocytes in Vitro

F. M. McCorkle, R. S. Stinson, I. Olah, and B. Glick 667 The Chicken’s Femoral-Lymph Nodules: T and B Cells and the Immune Response

S. M. Hinchman and J. R. Battistio 688 IgG-Recruiting Component (GRC): B Cell-Derived Signal for IgG Antibody Synthesis

J. E. Layton, B. L. Pike, F. L. Bat- tye, and G. J. V. Nossal 702 Cloning of B Cells Positive or Negative for Surface IgD. I. Triggering and Tolerance in T-Independent Systems

J. E. Layton, J. M. Teale, and G. J. V. Nossal 709 Cloning of B Cells Positive or Negative for Surface IgD. II. Triggering and Tolerance in the T-Dependent Splenic Focus Assay


R. Auerbach and Y. A. Sidky 751 Nature of the Stimulus Leading to Lymphocyte-Induced Angiogenesis


M. Hansson, K. Karre, R. Kies- sling, J. Roder, B. Andersson, and P. Hayry 765 Natural NK-Cell Targets in the Mouse Thymus: Characteristics of the Sensitive Cell Population

K. Shortman and P. Golstein 833 Target Cell Recognition by Cytolytic T Cells: Different Requirements for the Formation of Strong Conjugates or for Proceeding to Lysis

D. E. Tracey 840 The Requirement for Macrophages in the Augmentation of Natural Killer Cell Activity by BCG

A. H. Greenberg and P. M. Lydyard 861 Observations of IgG1 Anti-DNP Hybridoma-Mediated ADCC and the Failure of Three IgM Anti-DNP Hybridomas to Mediate ADCC

M. Suemura and K. Ishizaka 918 Potentiation of IgE Response in Vitro by T Cells from Rats Infected with Nippostrongylus brasiliensis

D. C. Parker, J. J. Fothergill, and D. C. Wadsworth 931 B Lymphocyte Activation by Insoluble Anti-immunoglobulin: Induction of Immunoglobulin Secretion by a T Cell-Dependent Soluble Factor

CLINICAL IMMUNOLOGY

T. Ishizaka, A. R. Sterk, and K. Ishizaka 578 Demonstration of Fcy Receptors on Human Basophil Granulocytes

T. Sakane and I. Green 584 Specificity and Suppressor Function of Human T Cells Responsive to Autologous Non-T Cells

R. H. Tomar and P. A. John 590 Mononuclear Cells Contain Human Transfer Factor as Assayed Locally on the Skin of Dogs

D. O. Thueson, L. S. Speck, M. A. Lett-Brown, and J. A. Grant 626 Histamine-Releasing Activity (HRA). I. Production by Mitogen- or Antigen-Stimulated Human Mononuclear Cells


B. Perussia, G. Trinchieri, and J- C. Cerottini 681 Functional Studies of Fc Receptor-Bearing Human Lymphocytes: Effect of Treatment with Proteolytic Enzymes
The Role of Cyclic AMP in Modulating Cytotoxic T Lymphocytes. I. \textit{In Vivo}-Generated Cytotoxic Lymphocytes, But Not \textit{In Vitro}-Generated Cytotoxic Lymphocytes, Are Inhibited by Cyclic AMP-Active Agents

Fc Receptors for IgA on Human B and Human Non-B, Non-T Lymphocytes

Cyclic Nucleotide Phosphodiesterase Activity in Human Peripheral Blood Lymphocytes and Monocytes

Effects of Concanavalin A-Induced Cells on the Proliferative Response of T Cells. I. Concanavalin A-InducedSuppressor and Amplifier Cells to the Proliferative Response of Human T Cells to Trinitrophenyl-Modified Autologous Lymphocytes

Fractionation of Human Lymphocytes with Plant Lectins. II. \textit{Lens culinaris} Lectin and Wheat Germ Agglutinin Identify Distinct Lymphocyte Subclasses

Activation of Human B Lymphocytes. XIV. Characterization of the Precursor of the Pokeweed Mitogen-Induced Anti-Sheep Red Blood Cell Plaque-Forming Cell

Complement Receptor Binding of C3b-Coated Cells Treated with C3b Inactivator, $\beta 1$H Globulin and Trypsin

The Alternative Pathway C3/C5 Convertase: Chemical Basis of Factor B Activation

Complement-Mediated Solubilization of Immune Precipitates Prepared with Antibodies of Different Avidity

Characterization of Functional Fc-Receptor Material from Human Lymphoblastoid Cell Lines. II. Serologic and Cellular Analysis

Role of Surface IgM and IgD in the Functional Differentiation of Human B Lymphocytes: Effect of Papain Treatment

C3e: An Acidic Fragment of Human C3 with Leukocytosis-Inducing Activity

Immunoglobulin Classes Implicated in Intestinal Disturbances of Calves Associated with Soya Protein Antigens

Further Evidence for the Antibody Nature of C3 Nephritic Factor (C3NeF)

Active Disassembly of the First Complement Component, C1, by C1 Inactivator Sequentially Derived Mutants of the Constant Region of the Heavy Chain of Murine Immunoglobulins

Idiotypic Analysis of Anti-GAT Antibodies.V. Distribution of an Interspecies Cross-Reactive Idiotype

IgD is Present on the Cell Surface of Murine Lymphocytes in Two Forms: $\delta L_2$ and $\delta L$

Membrane Immunoglobulin is Present on Thymic and Splenic Lymphocytes of the Trout \textit{Salmo gairdneri}

The Relationship Between Surface Immunoglobulin Isotype and Immune Function of Murine B Lymphocytes. IV. Role of IgD-Bearing Cells in the Propagation of Immunologic Memory

Limited Trypsin Cleavage Distinguishes MHC and Thymus-Leukemia Antigens

The Role of H-2-Linked Genes in Helper T Cell Function. V. I-Region Control of Helper T Cell Interaction with Antigen-Presenting Macrophages

H-2-Linked Ir Gene Control of Antibody Responses to Insulin. I. Anti-insulin Plaque-Forming Cell Primary Responses

The Association of Immune Responsiveness, Mixed Lymphocyte Responses, and \textit{Ia} Antigens in Natural Populations of Norway Rats

Ia Antigens in Mouse Skin are Predominantly Expressed on Langerhans Cells

Modulation of Natural Cytotoxicity by Alloantibodies. I. Alloantisera Enhancement of Cytotoxicity of Mouse Spleen Cells Toward a Human Myeloid Cell Line

Continued on page 4
Continued from page 3

G. F. Dancey, J. Cutler, and B. D. Schwartz 870 Chemical Cross-Linking of la Alloantigen α- and β-Chains with Dimethyl 3'3'-Dithiobispropionimidate
G. B. Ahmann, P. I. Nadler, A. Birnkrant, and R. J. Hodes 903 T Cell Recognition in the Mixed Lymphocyte Response. I. Non-T, Radiation Resistant Splenic Adherent Cells are the Predominant Stimulators in the Murine Mixed Lymphocyte Reaction
S. Slavin and S. Strober 942 Induction of Allograft Tolerance after Total Lymphoid Irradiation (TLI): Development of Suppressor Cells of the Mixed Leukocyte Reaction (MLR)

IMMUNOPATHOLOGY

N. M. Hadler, J. K. Spitznagel, and R. J. Quinet 572 Lysosomal Enzymes in Inflammatory Synovial Effusions
D. Senitzer, W. Cafruny, R. Rader, and E. H. Freimer 660 Autoimmune Cell-Mediated Responses: Spontaneous Responses to Syngeneic Cells in NZB/NZW F1 Mice
S. L. Wechsler, H. L. Weiner, and B. N. Fields 884 Immune Response in Subacute Sclerosing Panencephalitis: Reduced Antibody Response to the Matrix Protein of Measles Virus

TUMOR IMMUNOLOGY

P. D. Greenberg, M. Cheever, and A. Fefer 515 Suppression of the in Vitro Secondary Response to Syngeneic Tumor and of in Vivo Tumor Therapy with Immune Cells by Culture-Induced Suppressor Cells
J. J. Mule, F. R. Jones, I. Hellstrom, and K. E. Hellstrom 600 Selective Localization of Radiolabeled Immune Lymphocytes into Syngeneic Tumors
E. Lotzova and J. U. Gutterman 607 Effect of Glucan on Natural Killer (NK) Cells: Further Comparison between NK Cell and Bone Marrow Effector Cell Activities
B. S. Kim, W. Liang, and E. P. Cohen 733 Tumor-Specific Immunity Induced by Somatic Hybrids. I. Lack of Relationship between Immunogenicity and Tumorigenicity of Selected Hybrids
B. S. Kim 739 Tumor-Specific Immunity Induced by Somatic Hybrids. II. Elicitation of Enhanced Immunity against the Parent Plasmacytoma
C-C. Ting and D. Rodrigues 801 Reversal by Peritoneal Adherent Cells of Tumor Cell Suppression of T Cell-Mediated Immunity
F. Plata, H. R. MacDonald, and B. Shain 852 Suppressor T Cells Regulate the Cytolytic T Lymphocyte Response to Syngeneic Tumors Induced by Murine Sarcoma Virus (MSV) in the Mouse

VIRAL AND MICROBIAL

F. J. Ramalho-Pinto, S. R. Smithers, and J. H. L. Playfair 507 Carrier Effect during the Course of Experimental Schistosomiasis: Suppression of the Response to TNP-Schistosomula in Rats and Inbred Mice

COMMUNICATIONS

S. Natsuume-Sakai, J-I. Hayakawa, S. Amano, and M. Takahashi 947 Genetic Mapping of the Locus Controlling Structural Variations of Murine C3 in the Chromosome 17
J. J. Elner and A. A. F. Mahmoud 949 Killing of Schistosomula of Schistosoma mansoni by Normal Human Monocytes
F. D. Finkelman, S. W. Kessler, and I. Scher 952 Preparation of an Antibody to Mouse Serum IgD
J. F. Burdick, S. V. Jooste, and H. J. Winn 954 Variations in the Responses of Mouse Strains to Rat Xenografts

Announcements 956
Erratum 958
Author Index 959