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CELLULAR IMMUNOLOGY

N. Haeflner-Cavaillon, R. Chaby, J-M Cavaillon, and L. Szabó 1950 Lipopolysaccharide Receptor on Rabbit Peritoneal Macrophages. I. Binding Characteristics
L. D. Butler, S. D. Miller, and H. N. Claman 1963 Unresponsiveness in Hapten-Specific Cytotoxic Lymphocytes. II. Ability of Various TNP-Congeners to Induce Unresponsiveness after Repeated Treatments Beginning at Birth
S. H. Herrmann, O. Weinberger, S. J. Burakoff, and M. F. Mescher 1968 Analysis of the Two-Signal Requirement for Precursor Cytolytic T Lymphocyte Activation Using H-2K<sup>c</sup> in Liposomes
M. S. Klempern and R. E. Rocklin 2040 Specific Binding of Leukocyte Inhibitory Factor to Neutrophil Plasma Membranes
G. Jennings and K. Shortman 2095 Antigen-Initiated B Lymphocyte Differentiation. XX. Colony-Forming B Lymphocytes Are Not Identical with the Intermediate, “Pre-progenitor” Subset of Primary or Secondary B Cells
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<td>A Mitogen for Human B Cells: Anti-Ig Coupled to Polyacrylamide Beads Activates Blood Mononuclear Cells Independently of T Cells</td>
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<td>E. E. Uzgiris, S. H. Lockwood, and J. H. Kaplan</td>
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V. Hauptfeld, T. J. Braciale, and D. C. Shreffler 2026  Differences in Expression of MHC Products between Several H-2-Restricted CTL Clones
H-D Chen and W. K. Silvers 2044  Studies on the Behavior of H-Y Incompatible Skin Grafts in Rats
A. V. Muchmore, J. M. Decker, and D. L. Mann 2063  Evidence That Antibodies React with Products of the Human HLA-DR Locus May Block in Vitro Antigen-Induced Proliferation by Inducing Suppression
L. M. Rose, M. Goldman, and W. K. Silvers 2083  The Production of Anti-Idiotypic Antibodies and of Idiotype-Anti-Idiotype Immune Complexes after Polyclonal Activation Induced by Bacterial LPS
E. Walker, N. L. Warner, J. M. Decker, and D. A. Thorley-Lawson 2106  Antigen-Specific, I Region-Restricted Interactions in Vitro between Tumor Cell Lines and T Cell Hybridomas
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IMMUNOPATHOLOGY

T. Yasaka, L. A. Boxer, and R. L. Baehner 1939  Monocyte Aggregation and Superoxide Anion Release in Response to Formyl-Methionyl-Leucyl-Phenylalanine (FMLP) and Platelet-Activating Factor (PAF)
S. Raziduddin, R. F. Kibler, and D. C. Morrison 2073  Immunosuppression of Experimental Allergic Encephalomyelitis. III. In Vitro Evidence for Induction of Suppressor T Lymphocytes in Draining Lymph Node Cells of Animals Immunized with Myelin Basic Protein Complexed to Lipopolysaccharides
A. Nakanishi, Y. Imai, T. Nakano, and T. Osawa 2137  Induction of Autoimmune Phenomena in Normal Mice Treated with Natural Thymocytotoxic Autoantibody
Y. Ohsugi, M. E. Gershwin, A. Ahmed, R. R. Skelly, and D. R. Milich 2220  Studies of Congenitally Immunologic Mutant New Zealand Mice. VI. Spontaneous and Induced Autoantibodies to Red Cells and DNA Occur in New Zealand X-Linked Immunodeficient (Xid) Mice without Phenotypic Alterations of the X Gene or Generalized Polyclonal B Cell Activation
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MICROBIAL IMMUNOLOGY

A. U. Krettli and Z. Broner 2009  Resistance against Trypanosoma cruzi Associated to Anti-living Trypomastigote Antibodies
B. C. Cole, G. J. Sullivan, R. A. Daynes, I. A. Sayed, and J. R. Ward 2013  Stimulation of Mouse Lymphocytes by a Mitogen Derived from Mycoplasma arthritidis. II. Cellular Requirements for T Cell Transformation Mediated by a Soluble Mycoplasma Mitogen
D. E. Briles, M. Nahm, T. N. Marion, R. M. Perlmutter, and J. M. Davie 2032  Streptococcal Group A Carbohydrate Has Properties of Both A Thymus-Independent (T1-2) and A Thymus-Dependent Antigen
G. D. Bickle and M. J. Ford 2101  Studies on the Surface Antigenicity and Susceptibility to Antibody-Dependent Killing of Developing Schistosomula Using Sera from Chronically Infected Mice and Mice Vaccinated with Irradiated Cercariae

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<td>Immunoregulatory Factors Derived from Human Tumors. I. Immunologic and Biochemical Characterization of Factors That Suppress Lymphocyte Proliferative and Cytotoxic Responses \textit{in Vitro}</td>
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We regret the printer's error of $45 in the Information for Contributors.