

BULK ANTIBODIES for *in vivo* RESEARCH

α -CD4

α -CD8

α -CD25

α -NK1.1

α -Ly6G

Many more!



146 (10)

J Immunol 1991; 146:3263-3686; ;
<http://www.jimmunol.org/content/146/10.citation>

This information is current as
of July 17, 2018.

Why *The JI*? [Submit online.](#)

- **Rapid Reviews! 30 days*** from submission to initial decision
- **No Triage!** Every submission reviewed by practicing scientists
- **Fast Publication!** 4 weeks from acceptance to publication

**average*

Subscription Information about subscribing to *The Journal of Immunology* is online at:
<http://jimmunol.org/subscription>

Permissions Submit copyright permission requests at:
<http://www.aai.org/About/Publications/JI/copyright.html>

Email Alerts Receive free email-alerts when new articles cite this article. Sign up at:
<http://jimmunol.org/alerts>

The Journal of Immunology is published twice each month by
The American Association of Immunologists, Inc.,
1451 Rockville Pike, Suite 650, Rockville, MD 20852
All rights reserved.
Print ISSN: 0022-1767 Online ISSN: 1550-6606.



Contents

CELLULAR IMMUNOLOGY

- H. Cheroutre, M. Kronenberg, K. Brorson, S. W. Hunt III, P. Eghtesady, L. Hood, and D. A. Nickerson 3263 Analysis of MHC Class I Gene Expression in Adult Bone Marrow and Fetal Liver of the BALB/c Mouse
- L. H. Dang and K. L. Rock 3273 Stimulation of B Lymphocytes through Surface Ig Receptors Induces LFA-1 and ICAM-1-Dependent Adhesion
- R. L. Geller, M. J. Smyth, S. L. Strobl, F. H. Bach, F. W. Russett, D. L. Longo, and A. C. Ochoa 3280 Generation of Lymphokine-Activated Killer Activity in T Cells: Possible Regulatory Circuits
- M. J. Smyth, S. L. Strobl, H. A. Young, J. R. Ortaldo, and A. C. Ochoa 3289 Regulation of Lymphokine-Activated Killer Activity and Pore-Forming Protein Gene Expression in Human Peripheral Blood CD8⁺ T Lymphocytes: Inhibition by Transforming Growth Factor- β
- T. D. Geppert and P. E. Lipsky 3298 Association of Various T Cell-Surface Molecules with the Cytoskeleton: Effect of Cross-Linking and Activation
- D. M. Haverstick, V. H. Engelhard, and L. S. Gray 3306 Three Intracellular Signals for Cytotoxic T Lymphocyte-Mediated Killing: Independent Roles for Protein Kinase C, Ca²⁺ Influx, and Ca²⁺ Release from Internal Stores
- W. G. Kerr, L. M. Hendershot, and P. D. Burrows 3314 Regulation of IgM and IgD Expression in Human B-Lineage Cells
- G. K. Matsushima and S. A. Stohlman 3322 Distinct Subsets of Accessory Cells Activate Thy-1⁺ Triple Negative (CD3⁻, CD4⁻, CD8⁻) Cells and Th-1 Delayed-Type Hypersensitivity Effector T Cells
- H. R. Patel and R. A. Miller 3332 Analysis of Protein Phosphorylation Patterns Reveals Unanticipated Complexity in T Lymphocyte Activation Pathways
- Y. Shi, R. P. Bissonnette, N. Parfrey, M. Szalay, R. T. Kubo, and D. R. Green 3340 In Vivo Administration of Monoclonal Antibodies to the CD3 T Cell Receptor Complex Induces Cell Death (Apoptosis) in Immature Thymocytes
- A. Tang and M. C. Udey 3347 Inhibition of Epidermal Langerhans Cell Function by Low Dose Ultraviolet B Radiation: Ultraviolet B Radiation Selectively Modulates ICAM-1 (CD54) Expression by Murine Langerhans Cells
- K. R. Young, Jr., J. L. Ambrus, Jr., A. Malbran, A. S. Fauci, and A. J. Tenner 3356 Complement Subcomponent C1q Stimulates Ig Production by Human B Lymphocytes

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

- J. M. Alvaro-Gracia, N. J. Zvaifler, C. B. Brown, K. Kaushansky, and G. S. Firestein 3365 Cytokines in Chronic Inflammatory Arthritis. VI. Analysis of the Synovial Cells Involved in Granulocyte-Macrophage Colony-Stimulating Factor Production and Gene Expression in Rheumatoid Arthritis and its Regulation by IL-1 and Tumor Necrosis Factor- α
- D. C. Anderson, O. Abbassi, T. K. Kishimoto, J. M. Koenig, L. V. McIntire, and C. W. Smith 3372 Diminished Lectin-, Epidermal Growth Factor-, Complement Binding Domain-Cell Adhesion Molecule-1 on Neonatal Neutrophils Underlies Their Impaired CD18-Independent Adhesion to Endothelial Cells in Vitro
- J. F. Bond, R. D. Garman, K. M. Keating, T. J. Briner, T. Rafnar, D. G. Klapper, and B. L. Rogers 3380 Multiple *Amb a 1* Allergens Demonstrate Specific Reactivity with IgE and T Cells from Ragweed-Allergic Patients

Continued on page 4

- J. J. Hines, H. Weissbach, N. Brot, and K. Elkon 3386 Anti-P Autoantibody Production Requires P1/P2 as Immunogens but Is not Driven by Exogenous Self-Antigen in MRL Mice
- D. C. Kalter, J. J. Greenhouse, J. M. Orenstein, S. M. Schnittman, H. E. Gendelman, and M. S. Meltzer 3396 Epidermal Langerhans Cells Are not Principal Reservoirs of Virus in HIV Disease
- R. S. Kelleher, L. E. Hann, J. A. Edwards, and D. A. Sullivan 3405 Endocrine, Neural, and Immune Control of Secretory Component Output by Lacrimal Gland Acinar Cells
- D. Macchia, P. Parronchi, M.-P. Piccinni, C. Simonelli, M. Mazzetti, A. Ravina, D. Milo, E. Maggi, and S. Romagnani 3413 In Vitro Infection with HIV Enables Human CD4⁺ T Cell Clones to Induce Noncognate Contact-Dependent Polyclonal B Cell Activation
- G. M. Walsh, J.-J. Mermod, A. Hartnell, A. B. Kay, and A. J. Wardlaw 3419 Human Eosinophil, but not Neutrophil, Adherence to IL-1-Stimulated Human Umbilical Vascular Endothelial Cells Is $\alpha_4\beta_1$ (Very Late Antigen-4) Dependent

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- T. L. Buckley, S. D. Brain, P. D. Collins, and T. J. Williams 3424 Inflammatory Edema Induced by Interactions between IL-1 and the Neuropeptide Calcitonin Gene-Related Peptide
- R. P. Donnelly, M. J. Fenton, J. D. Kaufman, and T. L. Gerard 3431 IL-1 Expression in Human Monocytes Is Transcriptionally and Posttranscriptionally Regulated by IL-4
- J. A. Elias, V. Lentz, and P. Cummings 3437 Transforming Growth Factor- β Regulation of IL-6 Production by Unstimulated and IL-1-Stimulated Human Fibroblasts
- D. F. Fiorentino, A. Zlotnik, P. Vieira, T. R. Mosmann, M. Howard, K. W. Moore, and A. O'Garra 3444 IL-10 Acts on the Antigen-Presenting Cell to Inhibit Cytokine Production by Th1 Cells
- M. Fischer, I. MacNeil, T. Suda, J. E. Cupp, K. Shortman, and A. Zlotnik 3452 Cytokine Production by Mature and Immature Thymocytes
- P. Q. Patek and Y. Lin 3457 In Vitro Selection of a Cell Line for Resistance to Lysis by Tumor Necrosis Factor- α Selects for Reduced Tumorigenicity
- P. Rieckmann, F. D'Alessandro, R. P. Nordan, A. S. Fauci, and J. H. Kehrl 3462 IL-6 and Tumor Necrosis Factor- α : Autocrine and Paracrine Cytokines Involved in B Cell Function
- G. Vairo, S. Argyriou, K. R. Knight, and J. A. Hamilton 3469 Inhibition of Colony-Stimulating Factor-Stimulated Macrophage Proliferation by Tumor Necrosis Factor- α , IFN- γ , and Lipopolysaccharide is not Due to a General Loss of Responsiveness to Growth Factor
- K. J. Van Zee, L. E. Deforge, E. Fischer, M. A. Marano, J. S. Kenney, D. G. Remick, S. F. Lowry, and L. L. Moldawer 3478 IL-8 in Septic Shock, Endotoxemia, and after IL-1 Administration
- T. Yoshimura and N. Yuhki 3483 Neutrophil Attractant/Activation Protein-1 and Monocyte Chemoattractant Protein-1 in Rabbit: cDNA Cloning and Their Expression in Spleen Cells

IMMUNOCHEMISTRY

- K. Hariharan, M. J. Hariharan, T. J. Zamb, R. J. Krueger, and S. Srikumaran 3489 Bovine Monoclonal Anti-Idiotypes Induce Antibodies Specific for a Synthetic Peptide Bearing a Neutralizing Epitope of Bovine Herpesvirus 1 Glycoprotein gI (gB)
- T. Pedrazzini, A. Sette, M. Albertson, and H. M. Grey 3496 Free Ligand-Induced Dissociation of MHC-Antigen Complexes
- N. Rao, D. J. Ferguson, S.-F. Lee, and M. J. Telen 3502 Identification of Human Erythrocyte Blood Group Antigens on the C3b/C4b Receptor
- C. C. Winter, B. M. Carreno, R. V. Turner, S. Koenig, and W. E. Biddison 3508 The 45 Pocket of HLA-A2.1 Plays a role in Presentation of Influenza Virus Matrix Peptide and Alloantigens

- J. Wither, J. Pawling, L. Phillips, T. Delovitch, and N. Hozumi 3513 Amino Acid Residues in the T Cell Receptor CDR3 Determine the Antigenic Reactivity Patterns of Insulin-Reactive Hybridomas

IMMUNOPHARMACOLOGY

- W. Y. Almawi, M. L. Lipman, C. Stevens, B. Zanker, E. T. Hadro, and T. B. Strom 3523 Abrogation of Glucocorticosteroid-Mediated Inhibition of T Cell Proliferation by the Synergistic Action of IL-1, IL-6, and IFN- γ
- G. G. Deanin, J. L. Cutts, J. R. Pfeiffer, and J. M. Oliver 3528 Role of Isoprenoid Metabolism in IgE Receptor-Mediated Signal Transduction
- Y. Kanaho, H. Kanoh, K. Saitoh, and Y. Nozawa 3536 Phospholipase D Activation by Platelet-Activating Factor, Leukotriene B₄, and Formyl-Methionyl-Leucyl-Phenylalanine: Phospholipase D Activation Is Involved in Enzyme Release
- G. Leca, G. Benichou, A. Bensusan, F. Mitenne, P. Galanaud, and A. Vazquez 3542 Respiratory Burst in Human B Lymphocytes: Triggering of Surface Ig Receptors Induces Modulation of Chemiluminescence Signal
- A. D. G. Procopio, R. Paolini, I. Vecchio, L. Frati, and A. Santoni 3550 GTP-Binding Proteins Transduce Signals Generated via Human FC γ Receptor IIIA (CD16)
- R. A. S. Roubey, G. D. Ross, J. T. Merrill, F. Walton, W. Reed, R. J. Winchester, and J. P. Buyon 3557 Staurosporine Inhibits Neutrophil Phagocytosis but not iC3b Binding Mediated by CR3 (CD11b/CD18)

MICROBIAL IMMUNOLOGY

- A. Ahmad, C. H. Wang, and R. G. Bell 3563 A Role for IgE in Intestinal Immunity: Expression of Rapid Expulsion of *Trichinella spiralis* in Rats Transfused with IgE and Thoracic Duct Lymphocytes
- D. I. Bernstein, C. J. Harrison, L. J. Janski, M. G. Myers, and L. R. Stanberry 3571 Cell-Mediated Immunologic Responses and Recurrent Genital Herpes in the Guinea Pig: Effects of Glycoprotein Immunotherapy
- R. J. Y. Ho, K. T. Chong, and T. C. Merigan 3578 Antiviral Activity and Dose Optimum of Recombinant Macrophage Colony-Stimulating Factor on Herpes Simplex Genitalis in Guinea Pigs
- M. L. Kalish, I. J. Check, and R. L. Hunter 3583 Murine IgG Isotype Responses to the *Plasmodium cynomolgi* Circumsporozoite Peptide (NAGG)₅. I. Effects of Carrier, Copolymer Adjuvants, and Lipopolysaccharide on Isotype Selection
- G. S. Nabors and R. L. Tarleton 3591 Differential Control of IFN- γ and IL-2 Production during *Trypanosoma cruzi* Infection
- Y. Noguchi, T. Noguchi, T. Sato, Y. Yokoo, S. Itoh, M. Yoshida, T. Yoshiki, K. Akiyoshi, J. Sunamoto, E. Nakayama, and H. Shiku 3599 Priming for in Vitro and in Vivo Anti Human T Lymphotropic Virus Type 1 Cellular Immunity by Virus-Related Protein Reconstituted into Liposome
- S. A. Safley, C. W. Cluff, N. E. Marshall, and H. K. Ziegler 3604 The Role of Listeriolysin-O (LLO) in the T Lymphocyte Response to Infection with *Listeria monocytogenes*: Identification of T Cell Epitopes of LLO
- H. Shinomiya, H. Hirata, and M. Nakano 3617 Purification and Characterization of the 65-kDa Protein Phosphorylated in Murine Macrophages by Stimulation with Bacterial Lipopolysaccharide
- F. Torrico, H. Heremans, M. T. Rivera, E. van Marck, A. Billaud, and Y. Carlier 3626 Endogenous IFN- γ Is Required for Resistance to Acute *Trypanosoma cruzi* Infection in Mice

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- | | | |
|--|------|---|
| J. T. McGrew and K. L. Rock | 3633 | Isolation, Expression, and Sequence of the TAP/Ly-6A.2 Chromosomal Gene |
| T. M. McIntyre, K. L. Holmes,
A. D. Steinberg, and D. L.
Kastner | 3639 | CD5 ⁺ Peritoneal B Cells Express High Levels of Membrane, but not Secretory, C _μ mRNA |
| K. W. van Dijk, E. H. Sasso, and
E. C. B. Milner | 3646 | Polymorphism of the Human Ig V _H 4 Gene Family |
| J. S. Weber, J. Berry, T. Manser,
and J. L. Claffin | 3652 | Position of the Rearranged V _κ and Its 5' Flanking Sequences Determine the Location of Somatic Mutations in the J _κ Locus |

TUMOR IMMUNOLOGY

- | | | |
|--|------|--|
| S. Grabbe, S. Bruvers, R. L. Gallo,
T. L. Knisely, R. Nazareno, and R. D. Granstein | 3656 | Tumor Antigen Presentation by Murine Epidermal Cells |
| F. M. Karlhofer and W. M. Yokoyama | 3662 | Stimulation of Murine Natural Killer (NK) Cells by a Monoclonal Antibody Specific for the NK1.1 Antigen: IL-2-Activated NK Cells Possess Additional Specific Stimulation Pathways |
| D. J. Schwartzentruber, S. L. Topalian, M. Mancini, and S. A. Rosenberg | 3674 | Specific Release of Granulocyte-Macrophage Colony-Stimulating Factor, Tumor Necrosis Factor- α , and IFN- γ by Human Tumor-Infiltrating Lymphocytes after Autologous Tumor Stimulation |
| D. S. A. Webb, H. S. Mostowski,
and T. L. Gerrard | 3682 | Cytokine-Induced Enhancement of ICAM-1 Expression Results in Increased Vulnerability of Tumor Cells To Monocyte-Mediated Lysis |
| Erratum | 3687 | |
| Author Index | 1 | |