

Quantitate SARS-CoV-2 Antibodies With Our ELISA Kits and Sets



138 (7)

J Immunol 1987; 138:2013-2379; ;
<http://www.jimmunol.org/content/138/7.citation>

This information is current as
of November 26, 2021.

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

- | | | |
|--|------|---|
| I. N. Crispe and M. J. Bevan | 2013 | Expression and Functional Significance of the J11d Marker on Mouse Thymocytes |
| L. L. Lanier, A. M. Le, A. Ding, E. L. Evans, A. M. Krensky, C. Clayberger, and J. H. Phillips | 2019 | Expression of Leu-19 (NKH-1) Antigen on IL 2-Dependent Cytotoxic and Non-Cytotoxic T Cell Lines |
| A. T. Fichtner, S. Anderson, M. G. Mage, S. O. Sharrow, C. A. Thomas III, and J. T. Kung | 2024 | Subpopulations of Mouse Lyt-2 ⁺ T Cells Defined by the Expression of an Ly-6-Linked Antigen, B4B2 |
| S. A. N. Goldstein and M. F. Mescher | 2034 | Cytotoxic T Cell Activation by Class I Protein on Cell-Size Artificial Membranes: Antigen Density and Lyt-2/3 Function |
| T. D. Koller, C. Clayberger, J. L. Maryanski, and A. M. Krensky | 2044 | Human Allospecific Cytolytic T Lymphocyte Lysis of a Murine Cell Transfected with HLA-A2 |
| C. A. Biron, K. F. Pedersen, and R. M. Welsh | 2050 | Aberrant T Cells in Beige Mutant Mice |
| D. H. Sherr, J. Braun, and M. E. Dorf | 2057 | Idiotype-Specific Ly-1 B Cell-Mediated Helper Activity: Hybridomas that Produce Anti-Idiotype Antibody and Nonimmunoglobulin Lymphokine(s) |
| H. Kawaskai, K. Zupko, B. Diamond, M. Minami, and M. E. Dorf | 2063 | Antibody Inhibition of Suppressor Cell Induction |
| W. O. Weigle, W. V. Scheuer, M. V. Hobbs, E. L. Morgan, and D. E. Parks | 2069 | Modulation of the Induction and Circumvention of Immunological Tolerance to Human γ -Globulin by Interleukin 1 |
| M. P. Corradi, D. F. Jelinek, J. E. Ramberg, and P. E. Lipsky | 2075 | Development of a Cell with Dendritic Morphology from a Precursor of B Lymphocyte Lineage |
| S. P. M. Lems, C. W. M. Jacobs, P. J. A. Capel, and R. A. P. Koene | 2082 | Effects of Monoclonal Anti-H-2L ^d and Anti-H-2D ^d Alloantibodies in the Immunological Enhancement of Skin Grafts and Neonatal Heart Grafts in the Mouse |

Continued on page 4

THE JOURNAL OF IMMUNOLOGY (ISSN 0022-1767) is published twice each month by The American Association of Immunologists, 428 East Preston Street, Baltimore, MD 21202. Subscription rates \$150 (\$205 foreign); institutions \$170 (\$225 foreign); students \$41 (\$96 foreign); single copy \$8 (\$11 foreign). Indexed by *Current Contents* and *Index Medicus*. Second class postage paid at Baltimore, MD 21202 and at additional mailing offices. POSTMASTER: Send address changes to The Journal of Immunology at 428 East Preston Street, Baltimore, MD 21202. Copyright © 1987 by The American Association of Immunologists.

EDITORIAL OFFICE CHANGE

Beginning April 13, 1987, all new manuscripts will be sent to the new Editor-in-Chief:

Dr. Ethan Shevach
The American Association of Immunologists
9650 Rockville Pike
Bethesda, MD 20814

Manuscripts, correspondence, and matters relating to manuscripts submitted to The Journal of Immunology *prior to April 13, 1987* will continue to be processed in the San Diego editorial office:

Dr. Joseph Feldman
The Journal of Immunology
3770 Tansy Street
San Diego, CA 92121

CLINICAL IMMUNOLOGY • IMMUNOPATHOLOGY

- | | | |
|--|------|---|
| S. E. Schiff and R. H. Buckley | 2088 | Modified Responses to Recipient and Donor B Cells by Genetically Donor T Cells from Human Haploidentical Bone Marrow Chimeras |
| M. E. Sanders, E. L. Alexander, C. L. Koski, M. M. Frank, and K. A. Joiner | 2095 | Detection of Activated Terminal Complement (C5b-9) in Cerebrospinal Fluid from Patients with Central Nervous System Involvement of Primary Sjogren's Syndrome or Systemic Lupus Erythematosus |
| J. S. Berman and D. M. Center | 2100 | Chemotactic Activity of Porcine Insulin for Human T Lymphocytes in Vitro |
| G. Krömer, K. Schauenstein, H. Dietrich, R. Fässler, and G. Wick | 2104 | Mechanisms of T Cell Hyperreactivity in Obese Strain (OS) Chickens with Spontaneous Autoimmune Thyroiditis: Lack in Nonspecific Suppression Is Due to a Primary Adherent Cell Defect |
| B. H. Hahn and F. M. Ebling | 2110 | Idiotype Restriction in Murine Lupus; High Frequency of Three Public Idiotypes on Serum IgG in Nephritic NZB/NZW F ₁ Mice |
| D. A. Stetler and T. Cavallo | 2119 | Anti-RNA Polymerase I Antibodies: Potential Role in the Induction and Progression of Murine Lupus Nephritis |

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- | | | |
|--|------|---|
| L. Takacs, J. A. Berzofsky, J. York-Jolley, T. Akahoshi, E. Blasi, and S. K. Durum | 2124 | IL 1 Induction by Murine T Cell Clones: Detector of an IL 1-Inducing Lymphokine |
| R. B. Acres, A. Larsen, and P. J. Conlon | 2132 | IL 1 Expression in a Clone of Human T Cells |
| J. Le, D. Weinstein, U. Gubler, and J. Vilček | 2137 | Induction of Membrane-Associated Interleukin 1 by Tumor Necrosis Factor in Human Fibroblasts |
| S. N. Vogel, S. D. Douches, E. N. Kaufman, and R. Neta | 2143 | Induction of Colony Stimulating Factor in Vivo by Recombinant Interleukin 1 α and Recombinant Tumor Necrosis Factor α |
| D. Cavender, D. Haskard, N. Foster, and M. Ziff | 2149 | Superinduction of T Lymphocyte-Endothelial Cell (EC) Binding by Treatment of EC with Interleukin 1 and Protein Synthesis Inhibitors |
| G. Gromo, R. L. Geller, L. Inverardi, S.-L. Wee, and F. H. Bach | 2155 | Role of CD2 and IL 1 β in T Cell Responsiveness to IL 2 |
| E. C. Ebert, A. I. Roberts, S. M. O'Connell, F. M. Robertson, and H. Nagase | 2161 | Characterization of an Immunosuppressive Factor Derived from Colon Cancer Cells |
| A. Weiss, R. Shields, M. Newton, B. Manger, and J. Imboden | 2169 | Ligand-Receptor Interactions Required for Commitment to the Activation of the Interleukin 2 Gene |

IMMUNOPHARMACOLOGY

- | | | |
|---|------|---|
| A. L. Sagone, Jr., and R. M. Husney | 2177 | Oxidation of Salicylates by Stimulated Granulocytes: Evidence that These Drugs Act as Free Radical Scavengers in Biological Systems |
| M. C. Castells, A.-M. Irani, and L. B. Schwartz | 2184 | Evaluation of Human Peripheral Blood Leukocytes for Mast Cell Trypsinase |

IMMUNOCHEMISTRY

- | | | |
|---|------|--|
| B. Kahn-Perles, C. Boyer, B. Arnold, A. R. Sanderson, P. Ferrier, and F. A. Lemonnier | 2190 | Acquisition of HLA Class I W6/32 Defined Antigenic Determinant by Heavy Chains from Different Species Following Association with Bovine β_2 -Microglobulin |
| C. Layet, B. Kahn-Perles, P. Pontarotti, P. Ferrier, J. Sire, and F. A. Lemonnier | 2197 | Creation of an HLA-A2/HLA-Aw69 Alloantigenic Determinant on an HLA-A3 Molecule by Site-Directed Mutagenesis |
| F. Perosa, M. Tsujisaki, and S. Ferrone | 2202 | Syngeneic Anti-Idiotypic Antisera to Murine Monoclonal Antibodies to Monomorphic and Polymorphic Determinants of HLA Class I Antigens |

Continued on page 5

Continued from page 4

- M. Yagi, G. Stamatoyannopoulos, and T. Papayannopoulou 2208 Monoclonal Antibody 53.6 Recognizes a Novel Proliferation-Associated Antigen Encoded in Human Chromosome 11
- H. Margalit, J. L. Spouge, J. L. Cornette, K. Cease, C. DeLisi, and J. A. Berzofsky 2213 Prediction of Immunodominant Helper T Cell Antigenic Sites from the Primary Sequence
- S. K. Ghosh, J. Wong, and R. B. Bankert 2230 Idiotype-Specific T Lymphocytes Responsible for the Selection of Somatic Variants of a B Cell Hybrid
- J. E. Christiaansen, S. S. Burnside, and D. W. Sears 2236 Apparent Sensitivity of Human K Lymphocytes to the Spatial Orientation and Organization of Target Cell-Bound Antibodies as Measured by the Efficiency of Antibody-Dependent Cellular Cytotoxicity (ADCC)
- S. Jackson, R. I. Montgomery, J. Mestecky, and C. Czerkinsky 2244 Normal Human Sera Contain Antibodies Directed at Fab of IgA
- K. A. Paganelli, A. S. Stern, and P. L. Kilian 2249 Detergent Solubilization of the Interleukin 1 Receptor
- C. L. Anderson, D. H. Ryan, R. J. Looney, and P. C. Leary 2254 Structural Polymorphism of the Human Monocyte 40 Kilodalton Fc Receptor for IgG

MICROBIAL IMMUNOLOGY

- P. D. Walzer and M. J. Linke 2257 A Comparison of the Antigenic Characteristics of Rat and Human *Pneumocystis carinii* by Immunoblotting
- P. Berche, J.-L. Gaillard, and P. J. Sansonetti 2266 Intracellular Growth of *Listeria monocytogenes* as a Prerequisite for in Vivo Induction of T Cell-Mediated Immunity
- W. G. Powderly, G. B. Pier, and R. B. Markham 2272 In Vitro T Cell-Mediated Killing of *Pseudomonas aeruginosa*. V. Generation of Bactericidal T Cells in Nonresponder Mice
- T. P. Leist, S. P. Cobbold, H. Waldmann, M. Aguet, and R. M. Zinkernagel 2278 Functional Analysis of T Lymphocyte Subsets in Antiviral Host Defense
- F. Lehmann-Grube, I. Krenz, T. Krahnert, R. Schwachenzwald, D. Moskophidis, J. Löhler, and C. J. Villeda Posada 2282 Mechanism of Recovery from Acute Virus Infection. IV. Questionable Role of Mononuclear Phagocytes in the Clearance of Lymphocytic Choriomeningitis Virus from Spleens of Mice
- H. W. Murray, J. J. Stern, K. Welte, B. Y. Rubin, S. M. Carrero, and C. F. Nathan 2290 Experimental Visceral Leishmaniasis: Production of Interleukin 2 and Interferon- γ , Tissue Immune Reaction, and Response to Treatment with Interleukin 2 and Interferon- γ
- T. F. McElwain, L. E. Perryman, W. C. Davis, and T. C. McGuire 2298 Antibodies Define Multiple Proteins with Epitopes Exposed on the surface of Live *Babesia bigemina* merozoites

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- T. Maeda, H. Sugiyama, Y. Tani, S. Miyake, Y. Oka, H. Ogawa, T. Komori, T. Soma, and S. Kishimoto 2305 Start of μ -Chain Production by the Further Two-Step Rearrangements of Immunoglobulin Heavy Chain Genes on One Chromosome from a DJ_H/DJ_H Configuration in an Abelson Virus-Transformed Cell Line: Evidence of Secondary DJ_H Complex Formation
- S.-C. Luo and R. B. Bankert 2311 A New Cross-Reactive Idiotype-Defined Family in the Phthalate Humoral Immune Response of Mice. I. Linkage of V_H-Xmp to IgCH Allotype Locus and Mapping with Respect to Other Known V_H Genes
- D. J. Hayzer and J.-C. Jaton 2316 Nucleotide Sequence of a cDNA Clone Encoding a Rabbit Immunoglobulin- λ Light Chain: The V λ Region Differs Markedly from that of Other Species
- W. Trepicchio, Jr. and K. J. Barrett 2323 Eleven MRL-*lpr/lpr* Anti-DNA Autoantibodies Are Encoded by Genes from Four V_H Gene Families: A Potentially Biased Usage of V_H Genes
- L. Varesio, M. Clayton, D. Radzioch, and E. Bonvini 2332 Selective Inhibition of 28S Ribosomal RNA in Macrophages Activated by Interferon- γ or - β

Continued on page 6

Continued from page 5

- M. M. Tutt, W. Schuler, W. A. Kuziel, P. W. Tucker, M. Bennett, M. J. Bosma, and V. Kumar 2338 T Cell Receptor Genes Do Not Rearrange or Express Functional Transcripts in Natural Killer Cells of *scid* Mice
- Z. Z. Chen, J. C. McGuire, K. L. Leach, and J. C. Cambier 2345 Transmembrane Signaling Through B Cell MHC Class II Molecules: Anti-Ia Antibodies Induce Protein Kinase C Translocation to the Nuclear Fraction
- K. J. Hardy, B. Manger, M. Newton, and J. D. Stobo 2353 Molecular Events Involved in Regulating Human Interferon- γ Gene Expression during T Cell Activation

TUMOR IMMUNOLOGY

- F. Nagase, K. Ueda, K. Kawashima, S. M. Jamshedur Rahman, K.-I. Isobe, T. Yoshida, Y. Hasegawa, K.-I. Ando, T. Iwamoto, E.-I. Nagura, K. Yamada, T. Yokochi, and I. Nakashima 2359 Development of Host-Dependent High-Grade Tumor-Specific Immunity Through a Novel Mechanism Triggered by the Lyt-2⁺ Tumor-Specific T Cell Clone (K7L) that Induces Temporal Growth of L1210 Leukemia-K7L⁻ Variant
- R. Keller, R. Keist, P. H. Van Der Meide, P. Groscurth, M. Aguet, and T. P. Leist 2366 Induction, Maintenance, and Reinduction of Tumoricidal Activity in Bone Marrow-Derived Mononuclear Phagocytes by *Corynebacterium parvum*: Evidence for the Involvement of a T Cell- and Interferon- γ -Independent Pathway of Macrophage Activation
- A. Benomar, W. J. Ming, G. Tarabozetti, P. Ghezzi, C. Balotta, G. J. Cianciolo, R. Snyderman, J.-F. Dore, and A. Mantovani 2372 Chemotactic Factor and P15E-Related Chemotaxis Inhibitor in Human Melanoma Cell Lines with Different Macrophage Content and Tumorigenicity in Nude Mice
- Author Index 2380

EDITORIAL OFFICE CHANGE

Beginning April 13, 1987, all new manuscripts will be sent to the new Editor-in-Chief:

Dr. Ethan Shevach
The American Association of Immunologists
9650 Rockville Pike
Bethesda, MD 20814

Manuscripts, correspondence, and matters relating to manuscripts submitted to *The Journal of Immunology* prior to April 13, 1987 will continue to be processed in the San Diego editorial office:

Dr. Joseph Feldman
The Journal of Immunology
3770 Tansy Street
San Diego, CA 92121