

Luminex
complexity simplified.

Guava® SARS-CoV-2 Multi-Antigen Antibody Assay

New assay for SARS-CoV-2 antibody detection on your flow cytometer
For Research Use Only. Not for use in diagnostic procedures.



Learn More >



138 (6)

J Immunol 1987; 138:1657-2007; ;
<http://www.jimmunol.org/content/138/6.citation>

This information is current as
of September 28, 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

COMMUNICATION

- W. J. Storkus, D. N. Howell, R. D. Salter, J. R. Dawson, and P. Cresswell 1657 NK Susceptibility Varies Inversely with Target Cell Class I HLA Antigen Expression

CELLULAR IMMUNOLOGY

- T. D. Geppert and P. E. Lipsky 1660 Accessory Cell Independent Proliferation of Human T4 Cells Stimulated by Immobilized Monoclonal Antibodies to CD3
- W. Stohl, D. N. Posnett and N. Chiorazzi 1667 Induction of T Cell-Dependent B Cell Differentiation by Anti-CD3 Monoclonal Antibodies
- L. Killar, G. MacDonald, J. West, A. Woods, and K. Bottomly 1674 Cloned, Ia-Restricted T Cells That Do Not Produce Interleukin 4(IL 4)/B Cell Stimulatory Factor 1 (BSF-1) Fail to Help Antigen-Specific B Cells
- D. L. Lacey, J. Axelrod, J. C. Chappel, A. J. Kahn, and S. L. Teitelbaum 1680 Vitamin D Affects Proliferation of a Murine T Helper Cell Clone
- T. Owens and J. F. A. P. Miller 1687 Interaction in Vivo Between Hapten-Specific Suppressor T Cells and an in Vitro Cultured Helper T Cell Line
- N. K. Eddy, R. J. Apple and J. G. Michael 1693 Idiotype Regulation of the Anti-Bovine Serum Albumin Response. I. Generation of an Idiotype-Specific Lyt-1⁻²⁺ Suppressor T Cell
- K. M. Abraham and J. M. Teale 1699 Isotype Restriction during Infection of Mice with the Cestode *Mesocostoides Corti*: Role of Immune Suppression
- C. D. Myers, M. K. Kriz, T. J. Sullivan, and E. S. Vitetta 1705 Antigen-Induced Changes in Phospholipid Metabolism in Antigen-Binding B Lymphocytes
- H. A. Wilson, D. Greenblatt, C. W. Taylor, J. W. Putney, R. Y. Tsien, F. D. Finkelman, and T. M. Chused 1712 The B Lymphocyte Calcium Response to Anti-Ig Is Diminished by Membrane Immunoglobulin Cross-linkage to the Fc γ Receptor

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

- J. B. Margolick, D. J. Volkman, T. M. Folks, and A. S. Fauci 1719 Amplification of HTLV-III/LAV Infection by Antigen-Induced Activation of T Cells and Direct Suppression by Virus of Lymphocyte Blastogenic Responses
- B. Freimark, L. Lanier, J. Phillips, T. Quertermous, and R. Fox 1724 Comparison of T Cell Receptor Gene Rearrangements in Patients with Large Granular T Cell Leukemia and Felty's Syndrome
- L. Teyton, V. Lotteau, P. Turmel, F. Arenzana-Seisdedos, Jean-Louis Virelizier, J.-P. Pujol, G. Loyau, D. Piatier-Tonneau, C. Auffray, and D. J. Charron 1730 HLA DR, DQ, and DP Antigen Expression in Rheumatoid Synovial Cells: A Biochemical and Quantitative Study
- A. K. M. Ekramoddoullah, F. T. Kisil, R. T. Cook, and A. H. Schon 1739 Recognition of a Site of a Kentucky Bluegrass Pollen Allergen by Antibodies in the Sera of Allergic and Non-Atopic Humans and a Murine Monoclonal Antibody
- S. Romagnani, G. Del Prete, E. Maggi, and M. Ricci 1744 Activation Through CD3 Molecule Leads a Number of Human T Cell Clones to Induce IgE Synthesis in Vitro by B Cells from Allergic and Nonallergic Individuals
- S. Minota and J. B. Winfield 1750 IgG Anti-Lymphocyte Antibodies in Systemic Lupus Erythematosus React with Surface Molecules Shared by Peripheral T Cells and A Primitive T Cell Line
- A. P. Dang-Vu, D. S. Pisetsky, and J. B. Weinberg 1757 Functional Alterations of Macrophages in Autoimmune MRL-*lpr/lpr* Mice

CYTOKINES • MEDIATORS • REGULATORY MOLECULES

- D. E. Doherty, C. Haslett, M. G. Tonnesen, and P. M. Henson 1762 Human Monocyte Adherence: A Primary Effect of Chemotactic Factor on the Monocyte to Stimulate Adherence to Human Endothelium
- G. M. Segal, E. McCall, T. Steve, and G. C. Bagby, Jr. 1772 Interleukin 1 Stimulates Endothelial Cells to Release Multilineage Human Colony-Stimulating Activity
- N. K. Damle, L. V. Doyle, J. R. Bender, and E. C. Bradley 1779 Interleukin 2-Activated Human Lymphocytes Exhibit Enhanced Adhesion to Normal Vascular Endothelial Cells and Cause Their Lysis
- P. Scheurich, B. Thoma, U. Ucer, and K. Pfizenmaier 1786 Immunoregulatory Activity of Recombinant Human Tumor Necrosis Factor (TNF)- α : Induction of TNF Receptors on Human T Cells and TNF- α Mediated Enhancement of T Cell Responses
- S. C. Wright and B. Bonavida 1791 Studies on the Mechanism of Natural Killer Cell-Mediated Cytotoxicity. VII. Functional Comparison of Human Natural Killer Cytotoxic Factors with Recombinant Lymphotoxin and Tumor Necrosis Factor
- M. Nakamura, H. Ogawa, and T. Tsunematsu 1799 Characterization of Monoclonal Nonspecific Suppressor Factor (MNSF) with the Use of a Monoclonal Antibody
- T. Kasahara, N. Mukaida, H. Shinomiya, M. Imai, K. Matsushima, H. Wakasugi, and K. Nakano 1804 Preparation and Characterization of Polyclonal and Monoclonal Antibodies against Human Interleukin 1 α (IL 1 α)
- T. R. Mosmann, T. Yokota, R. Kastelein, S. M. Zurawski, N. Arai, and Y. Takebe 1813 Species-Specificity of T Cell Stimulating Activities of IL 2 and BSF-1 (IL 4): Comparison of Normal and Recombinant, Mouse and Human IL 2 and BSF-1 (IL 4)
- K. Nakanishi, T. Hashimoto, K. Hiroishi, K. Matsui, T. Yoshimoto, H. C. Morse III, J. Furuyama, T. Hamaoka, K. Higashino, and W. E. Paul 1817 Demonstration of Up-Regulated IL 2 Receptor Expression on an in Vitro Cloned BCL₁ Subline
- M. Matsumoto, A. Tominaga, N. Harada, and K. Takatsu 1826 Role of T Cell-Replacing Factor (TRF) in the Murine B Cell Differentiation: Induction of Increased Levels of Expression of Secreted Type IgM mRNA

Continued on page 5

IMMUNOCHEMISTRY

- A. Haziot, J. Michon, G. Sterkers, L. Degos, J.-P. Levy, and D. J. Charron 1834 Molecular Localization to a Unique DR β -Chain of the Restriction Element of an Anti-Influenza T Cell Clone
- F. R. Carbone, B. S. Fox, R. H. Schwartz, and Y. Paterson 1838 The Use of Hydrophobic, α -Helix-Defined Peptides in Delineating the T Cell Determinant for Pigeon Cytochrome *c*
- M. Rao, W. T. Lee, and D. Conrad 1845 Characterization of a Monoclonal Antibody Directed against the Murine B Lymphocyte Receptor for IgE
- A. Saalmüller, S. Jonjic, H.-J. Bühring, M. J. Reddehase, and U. H. Koszinowski 1852 Monoclonal Antibodies Reactive with Swine Lymphocytes. II. Detection of an Antigen on Resting T Cells Down-Regulated after Activation
- B. Nilsson and U. R. Nilsson 1858 Anti-Idiotypic Antibodies in Antisera against Human C3 and Factor H and Their Application in the Enrichment of Antibodies Specific for H-Binding Domains of C3
- T. J. Kovacovics, M. C. Peitsch, A. Kress, and H. Isliker 1864 Antibody-Independent Activation of C1. I. Differences in the Mechanism of C1 Activation by Nonimmune Activators and by Immune Complexes: C1r-Independent Activation of C1s by Cardiolipin Vesicles
- M. C. Peitsch, T. J. Kovacovics, J. Tschopp, and H. Isliker 1871 Antibody-Independent Activation of C1. II. Evidence for Two Classes of Nonimmune Activators of the Classical Pathway of Complement

IMMUNOPHARMACOLOGY

- F. R. Cochran, V. L. Roddick, J. R. Connor, J. T. Thornburg, and M. Waite 1877 Regulation of Arachidonic Acid Metabolism in Resident and BCG-Activated Alveolar Macrophages: Role of Lyso(Bis)Phosphatidic Acid
- J. A. Cox, A. Y. Jeng, P. M. Blumberg, and A. I. Tauber 1884 Comparison of Subcellular Activation of the Human Neutrophil NADPH-Oxidase by Arachidonic Acid, Sodium Dodecyl Sulfate (SDS), and Phorbol Myristate Acetate (PMA)
- J. T. O'Flaherty and J. Nishihara 1889 Arachidonate Metabolites, Platelet-Activating Factor, and the Mobilization of Protein Kinase C in Human Polymorphonuclear Neutrophils
- C. J. Schmeichel and L. L. Thomas 1896 Methylxanthine Bronchodilators Potentiate Multiple Human Neutrophil Functions
- D. A. Carson, S. Seto, and D. B. Wasson 1904 Pyridine Nucleotide Cycling and Poly(ADP-Ribose) Synthesis in Resting Human Lymphocytes
- N. P. Stimler-Gerard and S. J. Galli 1908 Mast Cells Are Not Required for Anaphylatoxin-Induced Ileal Smooth Muscle Contraction
- E. H. Berenstein, M. Garcia-Gil, and R. P. Siraganian 1914 Dexamethasone Inhibits Receptor-Activated Phosphoinositide Breakdown in Rat Basophilic Leukemia (RBL-2H3) Cells

MICROBIAL IMMUNOLOGY

- N. E. Reiner 1919 Parasite Accessory Cell Interactions in Murine Leishmaniasis. I. Evasion and Stimulus-Dependent Suppression of the Macrophage Interleukin 1 Response by *Leishmania donovani*
- N. E. Reiner, W. Ng, and W. R. McMaster 1926 Parasite-Accessory Cell Interactions in Murine Leishmaniasis. II. *Leishmania donovani* Suppresses Macrophage Expression of Class I and Class II Major Histocompatibility Complex Gene Products
- R. J. Mogil, C. L. Patton, and D. R. Green 1933 Cellular Subsets Involved in Cell-Mediated Immunity to Murine *Plasmodium yoelii* 17 \times Malaria

Continued on page 6

MOLECULAR BIOLOGY • MOLECULAR GENETICS

- J. Petrini, B. Shell, M. Hummel, and W. Dunnick 1940 The Immunoglobulin Heavy Chain Switch: Structural Features of $\gamma 1$ Recombinant Switch Regions
- A. Amar, G. T. Nepom, E. Mickelson, H. Erlich, and J. A. Hansen 1947 HLA-DP and HLA-DO Genes in Presumptive HLA-Identical Siblings: Structural and Functional Identification of Allelic Variation
- E. Sariban, T. Mitchell, J. Griffin, and D. W. Kufe 1954 Effects of Interferon- γ on Proto-Oncogene Expression during Induction of Human Monocytic Differentiation
- G. C. Miescher, R. C. Budd, R. K. Lees, and H. R. MacDonald 1959 Abnormal Expression of T Cell Receptor Genes in $\text{Lyt}^{-2^{-}}$ L3T4^{-} Lymphocytes of *lpr* Mice: Comparison with Normal Immature Thymocytes
- E. H. Field, B. Tourvieille, P. D'Eustachio, and J. R. Parnes 1968 The Gene Encoding the Mouse T Cell Differentiation Antigen L3T4 Is Located on Chromosome 6

TUMOR IMMUNOLOGY

- T. Shiohara, N. H. Ruddle, M. Horowitz, G. E. Moellmann, and A. B. Lerner 1971 Anti-Tumor Activity of Class II MHC Antigen-Restricted Cloned Autoreactive T Cells. I. Destruction of B16 Melanoma Cells Mediated by Bystander Cytolysis in Vitro
- T. Shiohara, G. Moellmann, K. Jacobson, E. Kuklinska, N. H. Ruddle, and A. B. Lerner 1979 Anti-Tumor Activity of Class II MHC Antigen-Restricted Cloned Autoreactive T Cells. II. Novel Immunotherapy of B16 Melanomas by Local and Systemic Adoptive Transfer
- B. Mukherji, A. Guha, R. Loomis, and M. T. Ergin 1987 Cell-Mediated Amplification and Down Regulation of Cytotoxic Immune Response against Autologous Human Cancer
- E. Shiloni, A. Eisenthal, D. Sachs, and S. A. Rosenberg 1992 Antibody-Dependent Cellular Cytotoxicity Mediated by Murine Lymphocytes Activated in Recombinant Interleukin 2
- B. Tákacs and C. Staehli 1999 Activated Macrophages and Antibodies against the Plant Lectin, GSI-B₄, Recognize the Same Tumor-Associated Structure (TAS)
- Announcements 2008
- Author Index 2011

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