

Measure proinflammatory chemokine responses to COVID-19 with our multiplex assays



149 (2)

J Immunol 1992; 149:367-744; ;
<http://www.jimmunol.org/content/149/2.citation>

This information is current as of January 23, 2022.

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

- L. A. Bristol, K. Sakaguchi, E. Appella, D. Doyle, and L. Takacs 367 Thymocyte Costimulating Antigen Is CD26 (Dipeptidyl-Peptidase IV): Costimulation of Granulocyte, Macrophage, and T Lineage Cell Proliferation Via CD26
- C. Cerdan, D. Razanajaona, Y. Martin, M. Courcoul, C. Pavon, C. Mawas, D. Olive, and F. Birg 373 Contributions of the CD2 and CD28 T Lymphocyte Activation Pathways to the Regulation of the Expression of the Colony-Stimulating Factor (CSF-1) Gene
- J. A. Gross, E. Callas, and J. P. Allison 380 Identification and Distribution of the Costimulatory Receptor CD28 in the Mouse
- D. M. Haverstick and L. S. Gray 389 Lymphocyte Adhesion Mediated by Lymphocyte Function-Associated Antigen-1. I. Long Term Augmentation by Transient Increases in Intracellular AMP
- D. M. Haverstick and L. S. Gray 397 Lymphocyte Adhesion Mediated by Lymphocyte Function-Associated Antigen-1. II. Interaction between Phorbol Ester- and cAMP-Sensitive Pathways
- K. Kikly and G. Dennert 403 Evidence for Extrathymic Development of T_{NK} Cells: NK1⁺ CD3⁺ Cells Responsible for Acute Marrow Graft Rejection are Present in Thymus-Deficient Mice
- E. Payer, R. Strohal, R. Kutil, A. Elbe, and G. Stingl 413 Demonstration of a CD3⁺ Lymphocyte Subset in the Epidermis of Athymic Nude Mice: Evidence for T Cell Receptor Diversity
- S. Wadsworth, M. J. Halvorson, and J. E. Coligan 421 Developmentally Regulated Expression of the β_4 Integrin on Immature Mouse Thymocytes

MOLECULAR AND STRUCTURAL IMMUNOLOGY

- J. M. Drezen, P. Nouvel, C. Babinet, and D. Morello 429 Different Regulation of Class I Gene Expression in the Adult Mouse and during Development
- G. A. Holländer, B. D. Luskey, D. A. Williams, and S. J. Burakoff 438 Functional Expression of Human CD8 in Fully Reconstituted Mice after Retroviral-Mediated Gene Transfer of Hemopoietic Stem Cells
- E. Köttgen, B. Hell, A. Kage, and R. Tauber 445 Lectin Specificity and Binding Characteristics of Human C-Reactive Protein
- M. Moser, R. Cramer, G. Menz, T. Schneider, T. Dudler, C. V. Sen, M. Gmachl, K. Blaser, and M. Suter 454 Cloning and Expression of Recombinant *Aspergillus fumigatus* Allergen 1/a (*rAspf* I/a) with IgE Binding and Type I Skin Test Activity
- N. Otting, M. Kenter, P. van Weeren, M. Jonker, and R. E. Bontrop 461 *Mhc-DQB* Repertoire Variation in Hominoid and Old World Primate Species
- L. S. Reidl, C. M. Kinoshita, and L. A. Steiner 471 Wild Mice Express an Ig V λ Gene that Differs from Any V λ in BALB/c but Resembles a Human V λ Subgroup
- T. Tanaka, D. Camerini, B. Seed, Y. Torimoto, N. H. Dang, J. Kameoka, H. N. Dahlberg, S. F. Schlossman, and C. Morimoto 481 Cloning and Functional Expression of the T Cell Activation Antigen CD26
- B. J. Underdown, I. Switzer, and G. D. F. Jackson 487 Rat Secretory Component Binds Poorly to Rodent IgM
- J. H. van Es, M. Heutink, H. Aanstoot, and T. Logtenberg 492 Sequence Analysis of Members of the Human Ig V_H4 Gene Family Derived from a Single V_H Locus: Identification of Novel Germ-Line Members
- L. Vidard, K. L. Rock, and B. Benacerraf 498 Diversity in MHC Class II Ovalbumin T Cell Epitopes Generated by Distinct Proteases

Continued on page 5

- J. A. Villadangos, B. Galocha, D. López, V. Calvo, and J. A. López de Castro 505 Role of Binding Pockets for Amino-Terminal Peptide Residues in HLA-B27 Allorecognition
- R. Wasserman, Y. Ito, N. Galili, M. Yamada, B. A. Reichard, S. Shane, B. Lange, and G. Rovera 511 The Pattern of Joining (J_H) Gene Usage in the Human IgH Chain is Established Predominantly at the B Precursor Cell Stage

IMMUNE MODULATION

- N. D. Griggs, M. A. Jarpe, J. L. Pace, S. W. Russell, and H. M. Johnson 517 N-Terminus and C-Terminus of IFN- γ Are Binding Domains for Cloned Soluble IFN- γ Receptor
- R. Meade, P. W. Askenase, G. P. Geba, K. Neddermann, R. O. Jacoby, and R. D. Pasternak 521 Transforming Growth Factor- β Inhibits Murine Immediate and Delayed Type Hypersensitivity
- S. Narumi, J. M. Tebo, J. H. Finke, and T. A. Hamilton 529 IFN- γ and IL-2 Cooperatively Activate NF κ B in Murine Peritoneal Macrophages
- G. Rodriguez-Tarduchy, M. K. L. Collins, I. Garcia, and A. López-Rivas 535 Insulin-Like Growth Factor-I Inhibits Apoptosis in IL-3-Dependent Hemopoietic Cells

HOST DEFENSE

- P. F. Barnes, D. Chatterjee, J. S. Abrams, S. Lu, E. Wang, M. Yamamura, P. J. Brenna, and R. L. Modlin 541 Cytokine Production Induced by *Mycobacterium tuberculosis* Lipoarabinomannan: Relationship to Chemical Structures
- S. P. Chang, H. L. Gibson, C. T. Lee-Ng, P. J. Barr, and G. S. N. Hui 548 A Carboxyl-Terminal Fragment of *Plasmodium falciparum* gp195 Expressed by a Recombinant Baculovirus Induces Antibodies that Completely Inhibit Parasite Growth
- R. F. Graziano and P. M. Allen 556 Enhancing the Immunogenicity of a Permissive Binding T Cell Epitope Derived from the Simian Immunodeficiency Virus-Encoded Negative Regulatory Factor
- V. T. Heussler, M. Eichhorn, R. Reeves, N. S. Magnuson, R. O. Williams, and D. A. E. Dobbelaere 562 Constitutive IL-2 mRNA Expression in Lymphocytes Infected with the Intracellular Parasite *Theileria parva*
- K. Hiromatsu, G. Matsuzaki, Y. Tauchi, Y. Yoshikai, and K. Nomoto 568 Sequential Analysis of T Cells in the Liver during Murine Listerial Infection
- S. L. Newman, L. Gootee, R. Morris, and W. E. Bullock 574 Digestion of *Histoplasma capsulatum* Yeasts by Human Macrophages
- A. A. Scalzo, N. A. Fitzgerald, C. R. Wallace, A. E. Gibbons, Y. C. Smart, R. C. Burton, and G. R. Shellam 581 The Effect of the *Cmv-1* Resistance Gene, Which Is Linked to the Natural Killer Cell Gene Complex, Is Mediated by Natural Killer Cells
- K. Somersalo, J. Tarkkanen, M. Patarroyo, and E. Saksela 590 Involvement of β_2 -Integrins in the Migration of Human Natural Killer Cells

INFLAMMATION

- M. Columbo, E. M. Horowitz, L. M. Botana, D. W. MacGlashan, Jr., B. S. Bochner, S. Gillis, K. M. Zsebo, S. J. Galli, and L. M. Lichtenstein 599 Human Recombinant *c-kit* Receptor Ligand, rhSCF, Induces Mediator Release from Human Cutaneous Mast Cells and Enhances IgE $_r$ Dependent Mediator Release from Both Skin Mast Cells and Peripheral Blood Basophils

- G. J. Dobos, J. Norgauer, M. Eberle, P. J. Schollmeyer, and A. E. Traynor-Kaplan 609 C5a Reduces Formyl Peptide-Induced Actin Polymerization and Phosphatidylinositol(3,4,5)trisphosphate Formation, but not Phosphatidylinositol(4,5)bisphosphate Hydrolysis and Superoxide Production, in Human Neutrophils
- M. M. Hamawy, C. Oliver, S. E. Mergenhausen, and R. P. Siraganian 615 Adherence of Rat Basophilic Leukemia (RBL-2H3) Cells to Fibronectin-Coated Surfaces Enhances Secretion
- Y. Kanaho, A. Nishida, and Y. Nozawa 622 Calcium Rather Than Protein Kinase C Is the Major Factor to Activate Phospholipase D in FMLP-Stimulated Rabbit Peritoneal Neutrophils: Possible Involvement of Calmodulin/Myosin L Chain Kinase Pathway
- H. Kita, D. A. Weiler, R. Abu-Ghazaleh, C. J. Sanderson, and G. J. Gleich 629 Release of Granule Proteins from Eosinophils Cultured with IL-5
- P. Kuna, S. R. Reddigari, T. J. Schall, D. Rucinski, M. Y. Viksman, and A. P. Kaplan 636 "RANTES," a Monocyte and T Lymphocyte Chemotactic Cytokine, Releases Histamine from Human Basophils
- J. M. Weiler, R. E. Edens, and G. J. Gleich 643 Eosinophil Granule Cationic Proteins Regulate Complement. I. Activity on the Alternative Pathway

CLINICAL IMMUNOLOGY

- S. Chamat, P. Nara, L. Berquist, A. Whalley, W. J. W. Morrow, H. Köhler, and C.-Y. Kang 649 Two Major Groups of Neutralizing Anti-gp120 Antibodies Exist in HIV-Infected Individuals: Evidence for Epitope Diversity around the CD4 Attachment Site
- W. C. Fanslow, D. M. Anderson, K. H. Grabstein, E. A. Clark, D. Cosman, and R. J. Armitage 655 Soluble Forms of CD40 Inhibit Biologic Responses of Human B Cells
- N. Goebels, D. Michaelis, H. Wekerle, and R. Hohlfield 661 Human Myoblasts as Antigen-Presenting Cells
- J. M. Houlihan, P. A. Biro, A. Fergar-Payne, K. L. Simpson, and C. H. Holmes 668 Evidence for the Expression of Non-HLA-A, -B, -C Class I Genes in the Human Fetal Liver
- P. K. Peterson, G. Gekker, C. C. Chao, R. Schut, J. Verhoef, C. K. Edelman, A. Erice, and H. H. Balfour, Jr. 676 Cocaine Amplifies HIV-1 Replication in Cytomegalovirus-Stimulated Peripheral Blood Mononuclear Cell Cocultures
- S. Ratner, P. Patrick, and G. Bora 681 Lymphocyte Development of Adherence and Motility in Extracellular Matrix during IL-2 Stimulation
- S. K. Stanley, S. W. Kessler, J. S. Justement, S. M. Schnittman, J. J. Greenhouse, C. C. Brown, L. Musongela, K. Musey, B. Kapita, and A. S. Fauci 689 CD34⁺ Bone Marrow Cells Are Infected with HIV in a Subset of Seropositive Individuals
- R. A. Swerlick, K. H. Lee, L.-J. Li, N. T. Sepp, S. W. Caughman, and T. J. Lawley 698 Regulation of Vascular Cell Adhesion Molecule 1 on Human Dermal Microvascular Endothelial Cells
- H. Tsutsui, Y. Terano, C. Sakagami, I. Hasegawa, Y. Mizoguchi, and S. Morisawa 706 Drug-Specific T Cells Derived from Patients with Drug-Induced Allergic Hepatitis
- D. Valmori, A. Pessi, E. Bianchi, and G. Corradin 717 Use of Human Universally Antigenic Tetanus Toxin T Cell Epitopes as Carriers for Human Vaccination
- P. M. Villiger, R. Terkeltaub, and M. Lotz 722 Production of Monocyte Chemoattractant Protein-1 by Inflamed Synovial Tissue and Cultured Synoviocytes
- H. Yamamoto, D. J. Ringler, M. D. Miller, Y. Yasutomi, T. Hasunuma, and N. L. Letvin 728 Simian Immunodeficiency Virus-Specific Cytotoxic T Lymphocytes Are Present in the AIDS-Associated Skin Rash in Rhesus Monkeys
- L.-J. Zhou, R. Schwarting, H. M. Smith, and T. F. Tedder 735 A Novel Cell-Surface Molecule Expressed by Human Interdigitating Reticulum Cells, Langerhans Cells, and Activated Lymphocytes Is a New Member of the Ig Superfamily
- Letter to the Editor 743
- Errata 745
- Announcements 746
- Author Index i