## Contents, Vol. 92, 1990

No. 1

Original Paper

Comparison of Conidial and Mycelial Allergens of Alternaria alternata
Paris, S.; Fitting, C.; Latgé, J.P.; Herman, D.; Guinnepain, M.T.; David, B

Serum Antibodies Reactive with Saccharomyces cerevisiae in Inflammatory Bowel Disease: Is IgA Antibody a Marker for Crohn’s Disease?

Nedocromil Sodium Prevents the Release of 15-Hydroxyeicosatetraenoic Acid from Human Bronchial Epithelial Cells Exposed to Toluene Diisocyanate in vitro (With 1 color plate)
Mattoli, S.; Mezzetti, M.; Fasoli, A.; Patalano, F; Allegra, L

Preparation of Allergen Extracts from the Green Alga Chlorella. Studies of Growth Variation, Batch Variation, and Partial Purification
Tiberg, E.; Rolfsen, W.; Einarsson, R

Antigenic Analysis of Group I House Dust Mite Allergens Using Random Fragments of Der p I Expressed by Recombinant DNA Libraries
Greene, W.K.; Chua, K.Y.; Stewart, G.A.; Thomas, W.R

Anti-Inflammatory Effects of Onions: Inhibition of Chemotaxis of Human Polymorphonuclear Leukocytes by Thiosulfonates and Cepaenes
Dorsch, W.; Schneider, E.; Bayer, T; Breu, W.; Wagner, H

Isolation and Characterization of Rat Carcinoembryonic Antigen
Kim, J.G.; Abeyounis, C.J

Immunohistological Analysis of Nerve Granulomas in Neuitic Leprosy
Narayanan, R.B.; Girdhar, A.; Girdhar, B.K.; Malaviya, G.N

Mouse IgE Response against Exoantigens of Trypanosoma cruzi
Gruppi, A.; Pistoresi-Palencia, M.C.; Basso, B.; Vottero-Cima, E

Glomerular CR1 Express in situ Cofactor Activity for Degradation of C3b
Vedeler, C.A.; Matre, R.; Iversen, B.M
Importance of Mast-Cell-Derived Eosinophil Chemotactic Factor A on Granuloma Formation in Murine Schistosomi-asis japonica: Evaluation Using Mast-Cell-Deficient W/Wv Mice
Owashashi, M.; Horii, Y.; Ikeda, T.; Maruyama, H.; Abe, T.; Nawa, Y  64

Antiallergic and Anti-Inflammatory Action of Tioxamast in Rats. I. Antiallergic Activity in vivo and in vitro
Tarayre, J.P.; Aliaga, M.; Barbara, M.; Tisseyre, N.; Caillol, V; Delhon, A.; Bruniquel, F.; N’Guyen, X.; Puech, L.; Tisné-Versailles, J.; Couzinier, J.P  69
Antiallergic and Anti-Inflammatory Action of Tioxamast in Rats. II. Anti-Inflammatory Action in vivo
Tarayre, J.P.; Aliaga, M.; Barbara, M.; Tisseyre, N.; Caillol, V; Delhon, A.; Bruniquel, F.; N’Guyen, X.; Puech, L.; Tisné-Versailles, J.; Couzinier, J.P  77

Relationship between LTC4 Generation of Hypodense Eosinophil and Bronchial Hyperreactivity in Asthmatic Children
Schauer, U.; Daume, U.; Müller, R.; Riedel, F.; Gemsa, D.; Rieger, C.H.L  82

Modulation of the Immune Response to Allergens: Phospholipase A Degradation Products Suppress IgG and IgE Response in Mice
Pesce, A.J.; Freisheim, J.M.; Litwin, A.; Michael, J  . . . 88

Short Communications
CD 1-Positive Epidermal Langerhans Cells in Regressed Tuberculoid and Lepromatous Leprosy Lesions
Narayanan, R.B.; Girdhar, A.; Girdhar, B.K  94
Contact Hypersensitivity Induces Plasma Interleukin 6
Kimber, I.; Cumberbatch, M.; Humphreys, M.; Hopkins, S.J. 97 Interleukin-4 Gene Expression in High and Low IgE Responder Mice
Mori, A.; Yamamoto, K.; Suko, M.; Watanabe, N.; Ito, M.; Miyamoto, T.; Okudaira, H  100

Remarkable Increases of Salivary IgE Levels in Allergic Syndromes
Negretti, F.; Casetta, P  103

International Journal of Allergy and Clinical Immunology

S. Karger · Medical and Scientific Publishers
Basel · München · Paris · London · New York · New Delhi · Bangkok · Singapore · Tokyo · Sydney

Drug Dosage
The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved.
A Method for Evaluating Anti-Allergic Drugs by Simultaneously Induced Passive Cutaneous Anaphylaxis and Mediator Cutaneous Reactions
Koda, A.; Miura, T.; Inagaki, N.; Sakamoto, O.; Arimura, A.; Nagai, H.; Mori, H
IgG4 Antibodies in Hay Fever Patients. Difference in IgG4 Response to Tree Pollen and Grass Pollen Allergens
Chernokhvostova, E.V.; Kotova, T.S.; German, G.P.; Atovmian, O.I
IgE Suppressor Factor Induced by Phytohemagglutinin
Astorquiza, M.I.; Cisternas, C
Mapping of Bet v 1 Epitopes by Using Murine Monoclonal Antibodies Marc-Series, I.; Boutin, Y.; Vrancken, E.R.; Hébert, J.
Histochemical Heterogeneity of Human Mast Cells: Disease-Related Differences in Mast Cell Subsets Recovered by Bronchoalveolar Lavage
Walls, A.F.; Roberts, J.A.; Godfrey, R.C.; Church, M.K.; Holgate, S.T
Effect of Oral or Parenteral Sensitization to Cow’s Milk on Mucosal Permeability in Guinea Pigs
Heyman, M.; Andriantsoa, M.; Crain-Denoyelle, A.M.; Desjeux, J.F
Elevated Concentrations of Salivary Secretory Immunoglobulin A Anti-Cow’s Milk Protein in Newborns at Risk of Allergy
Renz, H.; Vestner, R.; Petzoldt, S.; Brehler, C; Prinz, H.; Rieger, C.H.L
Hyposensitization Therapy with Whole Pollen Extract or Purified Allergens Monitored by Immunoblotting
Jarolim, E.; Matthiesen, F.; Stahl Skov, P.; Tejkl, M.; Oesterballe, O.; Poulsen, L.K
Protective Milk O Antibodies Induced in Guinea Pigs by Parenteral Shigella Ribosomal Vaccine
Chernokhvostova, E.V.; Lyubinskaya, M.M.; Belkin, Z.P.; Levenson, V.I
Induction of Suppressor Cell Activity in Normal Peripheral Blood Mononuclear Cells by Sera from Predialytic Uremic Patients
Modai, D.; Berman, S.; Weissgarten, J.; Klinovsky, E.; Cohn, M.; Averbukh, Z 268
Influence of IgE Fragments on IgE Determination
Vassella, C.C.; de Week, A.L.; Stadler, B.M 272
Mast Cell Activation in Sterile Bladder and Prostate Inflammation (With 1 color plate)
Theoharides, T.C.; Flaris, N.; Cronin, C.T.; Ucci, A.; Meares, E 281
Observations on NK Cells, K Cells and on Their Function a Long Time after Posttraumatic Splenectomy Demeter, J.; Pálóczki, K.; Lehoczky, D.; Benczur, M. . . 287
Immunoglobulin E Responses and Lung Pathology Resulting from Aerosol Exposure of Calves to Respiratory Syncytial Virus and Micropolyspora faeni Gershwin, L.J.; Dungworth, D.L.; Himes, S.R.; Frieberthauser, K.E 293
Differential IgE Receptor Development on Rat Tissue Cultured Mast Cells Hu, W.; Chan, B.M.C.; Froese, A 301
Seasonal Variation of the Conjunctival Provocation Test, Total and Specific IgE in Children with Birch Pollen Allergy Möller, C; Elsayed, S 306
Selective Alterations in Natural Killer Cell Subsets in Patients with Atopic Dermatitis Wehrmann, W.; Reinhold, U.; Kukel, S.; Franke, N.; Uerlich, M.; Kreysel, H.W 318
Significance and Specificity of Anti-SSA/Ro Antibody in Patients with Bullous Disorders Deng, J.-S.; Lee, P.Y.-P.; Fratto, J.L 323
Announcement 328
IV
Contents
No. 2
Original Paper
In vitro Immunosuppressive and Anti-Phagocytic Properties of the Exopolysaccharide of Mucoid Strains of Pseudo-monas aeruginosa Mai, G.T.; Seow, W.K.; Mc Cormack, J.G.; Thong, Y.H. 105
Correlation of sCD23 Release and Immunoglobulin (E, A, G, M) Synthesis by Peripheral Blood Lymphocytes of Atopic Patients Bujanowski-Weber, J.; Knöller, I.; Pfeil, T.; Luther, H.; Altmeyer, P.; König, W 113
Presence of IgA and IgG Antigliadin Antibodies in Healthy Adults as Measured by Micro-ELISA. Effect of Various Cutoff Levels on Specificity and Sensitivity When Diagnosing Coeliac Disease Grodzinsky, E.; Hed, J.; Liedén, G.; Sjögren, F.; Strom, M. 119
Endotoxin-Induced Auto-Immunity in Mice. III. Comparison of Different Endotoxin Preparations Bloembergen, P.; Hofhuis, F.M.A.; Hoi, C; van Dijk, H. 124

Human IgE, IgG and IgA Antibody Responses to T101, a Murine Monoclonal Antibody against Human Lymphocytes: Implications for Pathogenesis, Risk and Avoidance of Adverse Immunologic Reactions Dykewicz, M.S.; Cranberg, J.A.; Patterson, R.; Rosen, S.T.; Shaughnessy, M.A.; Zimmer, A.M 131

Bronchial Responsiveness to Mite Allergen in Atopic Dermatitis without Asthma Dohi, M.; Okudaira, H.; Sugiyama, H.; Tsurumachi, K.; Suko, M.; Nakagawa, T.; Morita, Y.; Ito, K.; Nakayama, H.; Miyamoto, T 138

Inhibition of 5-HETE, LTB4 and LTC4 Formation by Azela-tine in Rat Mixed Peritoneal Cells Chand, N.; Pillar, J.; Nolan, K.; Diamantis, W.; Sofia, R.D. 143

Subepithelial Hydrostatic Pressure May Regulate Plasma Exudation across the Mucosa Perrson, C.G.A.; Erjefält, I.; Gustafsson, B.; Luts, A. . . . 148

Shared Allergenic Activity in Asian (Blattella asahinai), German (Blattella germanica), American (Periplaneta america-na), and Oriental (Blatta orientalis) Cockroach Species Helm, R.M.; Squillace, D.L.; Jones, R.T.; Brenner, R.J. . 154

K-Channel Blocking Drugs Induce Histamine Release and 45Ca Uptake in Isolated Mast Cells Eleno, N.; Botana, L.; Espinosa, J 162

IgE-Mediated Allergic Reactions to Potatoes Wahl, R.; Lau, S.; Maasch, H.J.; Wahn, U 168

Obtention of Monoclonal Antibodies against Human IgG4 using Two Different Immunization Strategies: Development of a Biotin-Based ELISA for IgG4 Quantitation Jimeno Nogales, L.; Carreira, J.; Lombardero, M 175

Gut Hypersensitivity Reactions in Guinea Pigs following Vaccination or Infection with Trichostrongylus colubritiformis Ward, C.W.; Wagland, B.M 183

Characteristics of MTT as an Indicator of Viability and Respiratory Burst Activity of Human Neutrophils Pruett, S.B.; Loftis, A.Y 189

Identification of Soybean Allergens by Immunoblotting with Sera from Soy-Allergic Adults Herian, A.M.; Taylor, S.L.; Bush, R.K 193

Elevation of Neutrophil Chemotactic Activity in the Human Serum and the Decreased Number of Neutrophils after Platelet-Activating Factor Inhalation Miyagawa, H.; Nabe, M.; Hopp, R.J.; Agrawal, D.K.; Bewtra, A.K.; Townley, R.G 199

Histamine Release Induced by Radiographic Contrast Media. Comparison between Pulmonary and Peritoneal Mast Cells Derived from Normotensive and Spontaneously Hypertensive Rats Amon, E.U.; Ennis, M.; Lorenz, W.; Schnabel, M.; Schneider, C 203
Contents
No. 4
Original Paper
Substance P-Induced Histamine Release from Human Basophils, Skin and Lung Fragments: Effect of Nedocromil Sodium and Theophylline
Louis, R.E.; Radermecker, M.F 329
Cytokine Control of Peripheral-Blood CD23 Expression and sCD23 Release: Differential Regulation by IL-2 and IL-4
Fischer, A.; Pfeil, Th.; König, W 334
Manipulation of Macrophage Migration Inhibition/Stimulation Responses by Adjuvants and Interleukins
MacSween, J.M.; Rajaraman, R.; Rajaraman, S 343
Rat Mast Cell Granules Reacting with a Mouse Monoclonal Antibody M6764 which Recognizes the Same Epitope of a Mouse Monoclonal Antibody HNK-1
Kurosawa, M.; Okayama, Y.; Kobayashi, S.; Obata, K. 349
Differences in Migration Inhibitory Factor Production by C57B1/6 and BALB/c Mice in Allergic and Irritant Contact Dermatitis (With 1 color plate)
Malorny, U.; Goebeler, M.; Gutwald, J.; Roth, J.; Sorg, C. 356
Protection of Rats against Schistosoma mansoni Infection
Induced by Platelets Stimulated with the Murine Recombinant Tumor Necrosis Factor Alpha
Damonneville, M.; Pancré, V.; Capron, A.; Auriault, C. 361
Drug-Induced Fever: A Clinical Report and Challenge Test with Calcium Dobesilate
Puyana, J.; Fraj, J.; De La Hoz, B.; Davila, I.; Vergara, C; Cuesta, J 364
Histamine Release from Basophils after in vivo Application of Recombinant Human Interleukin-3 in Man
Presence of Felis domesticus Allergen I in the Cat’s Salivary and Lacrimal Glands
van Milligen, F.J.; Vroom, T.M.; Aalberse, R.C 375
Synergistic Activation of Human Natural Killer Cell Cytotoxicity by Histamine and Interleukin-2
Hellstrand, K.; Hermodsson, S 379
Follicle Lysis in HIV-Free Lymphoid Tissues
Shiota, M.; Toyama, K.; Mori, S 390
Possible Role for Platelet-Activating Factor in Neutrophil Infiltration in Allergic Inflammation in Rats
Watanabe, M.; Sugidachi, A.; Omata, M.; Hirasawa, N.;
Mue, S.; Tsurufuji, S.; Ohuchi, K  396
Inhibition of Endogenous Leukotriene-Mediated Lung Anaphylaxis in Guinea Pigs by a Novel Receptor Antagonist ONO-1078
Ishii, A.; Nakagawa, T.; Nambu, F.; Motoishi, M.; Miymoto, T  404
Epitope-Specific Regulation of the Antibody Response against Alpha-Lactalbumins in the Mouse
Horiuchi, T.; Yagi, J.; Asano, Y.; Tada, T  408
Eosinophil Accumulation in the Rat Pleural Cavity after Mast Cell Stimulation with Compound 48/80 Involves Protein Synthesis and Is Selectively Suppressed by Dexamethasone
Martins, M.A.; Pasquale, C.P.; e Suva, P.M.R.; Cordeiro, R.S.B.; Vargaftig, B.B  416
Inhalation Exposure to Respiratory Sensitising Chemicals Down-Regulates Guinea Pig IgE and Pulmonary Responses
Dearman, R.J.; Botham, P.A  425
Susceptibility to Proteolipid Apoprotein and Its Encephalito-genic Determinants in Mice Endoh, M.; Kunishita, T;Nihei, J.; Nishizawa, M.; Tabira, T 433
Drugs as Allergens: An Immunoassay for Detecting IgE Antibodies to Cephalosporins
Harle, D.G.; Baldo, B.A  439
445
Author Index