Contents, Vol. 75, 1984

No. 1

Editorial

Original Paper
Inhibition of Antibody-Dependent Cellular Cytotoxicity and Natural Cytotoxicity by Retinoic Acid
Eremin, O.; Ashby, J.; Rhodes, J  2

The Passage of Maternal Dietary Proteins into Human Breast Milk
Kilshaw, P.J.; Cant, A.J  8

Fractionation of Human Thymocytes and Peripheral Blood Lymphocytes on Percoll Density Gradients and DNA Synthesis Stimulating Effect of Mercuric Chloride
Nordlind, K  16

Cell Surface Modifications with Trifluoromethyl Dinitrophe- nyl-Soluble Protein Conjugates: Immunogenic Role of Noncovalently Bound Hapten
Bischoff, P.; Maugras, M.; Poignant, S.; Oth, D  20

Inhibition of Anaphylactic Histamine Release and Pulmonary Distress in Rats by Nonspecific IgE
Butchko, G.M.; Aspinall, R.L.; Smith, W.G  27

Histamine Release from Mast Cells during Phagocytosis and Interaction with Activated Neutrophils
Coble, B.I.; Lindroth, M.; Molin, L.; Stendhal, 0  32

Gut Mucosal, Salivary and Serum Antitoxic and Antibacterial Antibody Responses in Swedes after Oral Immunization with B Subunit-Whole Cell Cholera Vaccine
Jertborn, M.; Svennerholm, A.-M.; Holmgren, J  38

Occupational Allergy in Horticulture: Demonstration of Immediate-Type Allergic Reactivity to Freesia and Paprika Plants
Toorenbergen, A.W. van; Dieges, P.H  44

Defective Concanavalin A-Induced Suppressor Cell Activity in Lupus Nephritis

Distribution of Radiolabelled Lymph Cells in Lymph Nodes and the Migratory Properties of Blood Lymphocytes in Sheep
Chin, G.W.; Hay, J.B 52
Induction of Tolerance in Mice by Uricase and Monomethoxy-polyethylene Glycol-Modified Uricase

Savoca, K.V.; Davis, F.F.; Palczuk, N.C 58
Dissociation of Chemotactic and Inflammatory Leukocyte Responses

Schradm, M.; Normann, S.; Sorkin, E 68
Complement Components, Complement Activation, and Acute Phase Response in Systemic Lupus Erythematosus

Sturfeldt, G.; Sjöholm, A.G 75
Immunoglobulin E Response during Measles

Shallit, M.; Ackerman, Z.; Wollner, S.; Morag, A.; Levo, Y. 84
Influence of Breast Feeding on the Development of Cow’s Milk Protein Antibodies and the IgE Level

Hanson, L.A 87
Association of Clq- and Conglutinin-Binding Immune Complexes with High Consumption of Alpha-2-Macroglobulin in Synovial Fluids of Patients with Rheumatoid Arthritis

Borth, W.; Menzel, J.E 92

No. 2

Original Paper

Regulation of Canine Mucus Secretion by a Novel Leukotriene Synthesis Inhibitor (U-60,257)
Johnson, H.G.; McNee, M.L 97
Interleukin 2 Production Induced by Chemically Defined Cell Membrane Modification
Attallah, A.M.; Hornicek, F.J.; Muller, J.; Noguchi, P.; Malinin, G 102
Relevance of Milk- and Egg-Specific IgG4 in Atopic Eczema
Shakib, F.; Brown, H.M.; Stanworth, D.R 107
Presence of IL 1 Activity in the Supernatant of Human Monocytes Challenged with Purified Allergenic Constituents

Cavaillon, J.-M.; Dandeu, J.-P.; Mécheri, S.; David, B . . 113
Enhancement of Contact Sensitization in Mice Fed a Diet Enriched in Vitamin A Acetate
Miller, K.; Maisey, J.; Malkovský, M 120
Oral Induction of the Secretory Antibody Response by Soluble and Particulate Antigens
Cox, D.S.; Taubmann, M.A 126
Activation of Distinct T Cell Subsets Involved in IgM Antibody Response of Mice by Pertussis Toxin from Bordetella pertussis Strain Maeno
Kumazawa, Y.; Yamada, A.; Ohtani, A.; Fujisawa, H.; Nishimura, C; Mizunoe, K 132
Pneumococcal Antibodies in Families with Recurrent Otitis media
<table>
<thead>
<tr>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection against Experimental Cholera in the Rat. A Study on</td>
<td>139</td>
</tr>
<tr>
<td>the Formation of Antibodies against Cholera Toxin and</td>
<td></td>
</tr>
<tr>
<td>Desensitization of Adenylate Cyclase after Immunization</td>
<td></td>
</tr>
<tr>
<td>with Cholera Toxin</td>
<td></td>
</tr>
<tr>
<td>Lange, S.; Lönnroth, I.; Nygren, H</td>
<td>143</td>
</tr>
<tr>
<td>Characterization of the Carbohydrate Moiety in a Partly Purified</td>
<td></td>
</tr>
<tr>
<td>Allergen Preparation from the Mould Cladosporium herbarum and Its</td>
<td></td>
</tr>
<tr>
<td>Possible Importance for Allergenic Activity as Tested by RAST-</td>
<td></td>
</tr>
<tr>
<td>Inhibition</td>
<td></td>
</tr>
<tr>
<td>Swärd-Nordmo, M.; Smestad Paulsen, B.; Wold, J.K.</td>
<td>149</td>
</tr>
<tr>
<td>Arachidonate Metabolites in Acute and Chronic Allergic Air</td>
<td></td>
</tr>
<tr>
<td>Pouch Inflammation in Rats and the Anti-Inflammatory</td>
<td></td>
</tr>
<tr>
<td>Effects of Indomethacin and Dexamethasone</td>
<td></td>
</tr>
<tr>
<td>Ohuchi, K.; Watanabe, M.; Levine, L</td>
<td>157</td>
</tr>
<tr>
<td>Effect of Different Penicillin Derivates on Complement Components</td>
<td></td>
</tr>
<tr>
<td>in Human Serum</td>
<td></td>
</tr>
<tr>
<td>vonZabern, I.; Przyklenk, H.; Nolte, R.; Vogt, W</td>
<td>164</td>
</tr>
<tr>
<td>An Immunochemical Method for Assessing the Function of the</td>
<td></td>
</tr>
<tr>
<td>Alternative Complement Pathway</td>
<td></td>
</tr>
<tr>
<td>Yoshida, K.; Yukiyama, Y.; Hirose, S</td>
<td>173</td>
</tr>
<tr>
<td>Increased Serum Levels of Antibodies to Epstein-Barr Virus in</td>
<td></td>
</tr>
<tr>
<td>Adults with History of Atopic Dermatitis</td>
<td></td>
</tr>
<tr>
<td>Rystedt, I.; Strannegård, I.-L.; Strannegård, Ö</td>
<td>179</td>
</tr>
<tr>
<td>Suppressor Cells in Antithymocyte Globulin-Induced Transplantation</td>
<td></td>
</tr>
<tr>
<td>Tolerance in the Adult Rat Olausson, M.; Mjörnstedt, L.; Lindholm,</td>
<td></td>
</tr>
<tr>
<td>L.; Brynger, H.</td>
<td>184</td>
</tr>
<tr>
<td>Short Communication</td>
<td></td>
</tr>
<tr>
<td>Modulation of Sulfur Dioxide-Induced Airways Hyperresponsiveness</td>
<td></td>
</tr>
<tr>
<td>in the Conscious Dog</td>
<td></td>
</tr>
<tr>
<td>Lewis, A.J.; Kirchner, T</td>
<td>188</td>
</tr>
<tr>
<td>No. 3</td>
<td></td>
</tr>
<tr>
<td>A Comparison of the Antibody Responses of Badgers (Meles meles) and</td>
<td></td>
</tr>
<tr>
<td>Rabbits (Oryctolagus cuniculus) to Some Common Antigens</td>
<td></td>
</tr>
<tr>
<td>Higgins, D.A.; Gatrill, A.J</td>
<td>219</td>
</tr>
<tr>
<td>A Monoclonal Antibody Inhibiting Human Placental Fcγ-Receptor</td>
<td></td>
</tr>
<tr>
<td>Activity</td>
<td></td>
</tr>
<tr>
<td>Matre, R.; Haasheim, L.R.; Tender, O</td>
<td>227</td>
</tr>
<tr>
<td>The Effect of Concanavalin A and Wheat Germ Agglutinin on the</td>
<td></td>
</tr>
<tr>
<td>Ultrastructure and Permeability of Rat Intestine. A Possible Model</td>
<td></td>
</tr>
<tr>
<td>for an Intestinal Allergic Reaction</td>
<td></td>
</tr>
<tr>
<td>Sjölander, A.; Magnusson, K.-E.; Latkovic, S</td>
<td>230</td>
</tr>
</tbody>
</table>
In vitro Responses of Human Asthmatic Airway and Pulmonary Vascular Smooth Muscle
Schellenberg, R.R.; Foster, A 237

Localization of Covalent Immune Complexes on the Epithelial Side of the Glomerular Basement Membrane in Mice
Lew, A.M.; Tovey, D.G.; Steward, M.W 242

In vitro Antigen-Induced Increase in Motility and Degranulation of Basophilic Granulocytes from Atopic Asthmatics, Studied by Microscopic Motion Pictures
Kimura, I.; Tanizaki, Y.; Sasaki, Y 250

Immediate Hypersensitivity Reactions to Cow Milk Proteins in Isolated Epithelium from Ileum of Milk-Drinking Guinea-Pigs: Comparisons with Colonic Epithelia
Baird, A.W.; Coombs, R.R.A.; McLaughlan, P.; Cuthbert, A.W 255

Regulation of Eosinophilia in Rats Infected with Nippostrongylus brasiliensis. I. Eosinophil Chemotactic Factor Produced Spontaneously by Mesenteric Lymph Node Cells of Infected Rats
Nawa, Y.; Hirashima, M 264

Influence of Dextran Polymer Particles (Sephadex G-200) on the Chemiluminescence Response of Murine Peritoneal Leukocytes
Gillert, K.-E.; Cuadra, M.; Winkler, M.; Muller, S 270

Cord Blood T Lymphocyte Subpopulations in Premature and Full-Term Infants
Lilja, G.; Winbladh, B.; Vedin, I.; Pető, B 273

Cinader, B 193

Original Paper
Immunoregulation in Juvenile Chronic Arthritis
Ziegler, J.B.; Zaunders, J.J.; Cooper, D.A.; Maclean, P.; Duckett, M.; Edmonds, J.P.; Penny, R 196

Humoral Autoimmune Response to Rat Male Accessory Glands. Effect of Castration on the Humoral Response
Vottero-Cima, E.; Galmarini, M.; Pesoa, S.; Riera, CM.; Pistoresi-Palencia, M.C 203

Physiological and Immunological Effects of Chronic Antigen Exposure in Immunized Guinea Pigs
Andrew, D.K.; Schellenberg, R.R.; Hogg, J.C.; Hanna, C.J.; Pare, P.D 208

Migration of Bone Marrow Lymphocytes in Mice: Immunofluorescent Staining Using Antiallotype Serum
Short Communications
Inhibition of Slow-Reacting Substance Release by Calmodulin Blocker
Kajita, T.; Taniguchi, N.; Mita, H.; Mishima, T.; Yui, Y.; Shida, T. 276
Relative Adjuvant Efficacy of Al(OH)3 and Saponin Is Related to the Immunogenicity of the Antigen
Bomford, R 280
The Comparative Bronchodilator Properties of Alkyl Quaternary Salts of Promethazine
Lewis, A.J.; Dervinis, A.; Rosenthal, M.E.; Santilli, A.A.; Buzby, G.C., Jr 282
Use of the T Lymphocyte Colony-Forming Assay to Study Human Lymphocyte Interactions
Ridley, M.B.; Valenski, W.R.; Herrod, H.G 284
Book Review 287
Erratum 288
News Items 288
IV
Contents
No. 4
Original Paper
Viability of Cultured Peripheral Blood Mononuclear Cells from Atopic Individuals
Strannegård, Ö.; Strannegård, I.-L 289
Adjuvant Properties of Hydrophobic Derivatives Prepared from L-Tyrosine
Wheeler, A.W.; Whittall, N.; Spackman, V.; Moran, D.M. 294 Comparative Studies on Tree Pollen Allergens. VIII. Immunological Properties of the Alder (Alnus incana) Pollen Extract
Florvaag, E.; Elsayed, S 300
Separation and Characterization of Macrophage Precursors and of Interleukin 2-Responding Cells from Nylon Wool-Non-adherent Murine Spleen Cells by Using Bauhinia purpurea Agglutinin
Yamaguchi, N.; Osawa, T 309
Allergen-Specific Immunoglobulin E Antibodies in Tears and Serum of Vernal Conjunctivitis Patients
Sompolinsky, D.; Samra, Z.; Zavaro, A.; Barishak, Y. 317 Standardization of Allergens. Qualitative Definition of House Dust Mite Extracts following Electroblotting and Detection of Components with Antibody and Lectin Probes
Tovey, E.R.; Baldo, B.A 322
Investigation of Ability of the Metal Allergens Cobalt Chloride,
Nickel Sulfate and Potassium Dichromate to Give a Mitogenic Response in Human Thymocytes
Nordlund, K.; Henze, A 330
Further Studies on the Lymphocyte Transformation Test in Diagnosis of Nickel Allergy. Effect of Fractionation of Lymphocytes into Different Subpopulations on the Basis of Density
Nordlund, K 333
Concanavalin A-Induced Activation of Human T Cell Subpopulations
Persson, U.; Johansson, S.G.0 337
Isolation and Characteristics of Small Intestinal Lamina Pro-pria Cells from Normal and Nematode (Nippostrongylus brasiliensis)-infected Rats
Befus, A.D.; Spencer, J.A.; McDermott, M.R.; McLaughlin, B.; Bienenstock, J 345
Adjuvant Effects of Aluminum Silicate on IgE and IgG1 Antibody Production in Mice Fujimaki, H.; Ozawa, M.; Imai, T.; Kubota, K.; Watanabe, N. 351
Chemotaxis in Experimental Syphilis
Wicher, K.; Kalinka, C; Belani, R.; Wicher, V 357
Production and Characterization of Antisera against Guinea Pig Macrophage Activating Factor
Peck, R.; Talmadge, K.; Polak, L 361
Effects of FPL 55712, ETYA and Aminophylline upon Ascaris-Induced Bronchoconstriction in Cynomolgus Monkeys
Mielens, Z.E.; Gorman, W.G 368
Short Communication
Modulation of Mast Cell cAMP Levels. A Regulatory Function of Calmodulin
Aim, P.E 375
Author Index 379
S. Karger · Medical and Scientific Publishers · Basel · München · Paris · London · New York · 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.
No part of this publication may be translated into other languages, reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, microcopying, or by any information storage and retrieval system, without permission in writing from the publisher or, in the case of photocopying, direct payment of a specified fee to the Copyright Clearance Center (see ‘Information for Readers and Subscribers’).