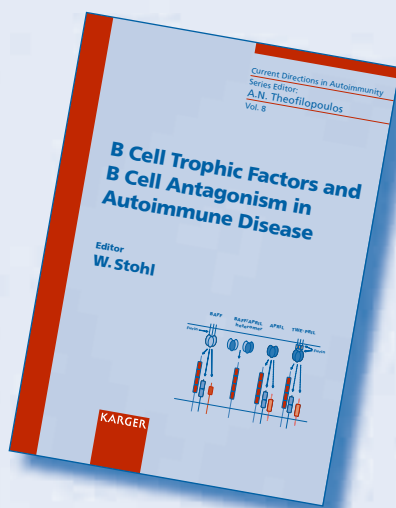


B Cell Trophic Factors and B Cell Antagonism in Autoimmune Disease

Editor:
William Stohl



The understanding of B cell biology has increased and expanded enormously in the last three decades. It is now known that B cells, in addition to just differentiating into antibody-secreting cells, serve many other vital functions. For example, their roles as antigen-presenting cells and cytokine-producing cells as well as effector cells and regulatory cells are well appreciated now. Indeed, the pathologic role of B cells in many autoimmune disorders may be largely autoantibody-independent. Today, the B cell is of considerable interest not only to immunologists but also to mainstream clinicians and scientists.

The current volume covers the latest information on the functions of B cells in normal and disease states, and their therapeutic antagonism. Chapters cover cutting-edge topics from the basic to the clinical, including B cells in infection and autoimmunity, CD19-CD21 signal transduction complex, marginal zone B cell physiology and disease, B cell growth and differentiation, their role in rheumatoid arthritis, SLE treatment, the BAFF/APRIL system and B lymphocyte malignancies.

This book is recommended reading for cellular and molecular immunologists as well as for rheumatologists, hematologists and clinical immunologists, and all those interested in human diseases in which B cells play an important contributory role.

Fields of Interest: Immunology, Rheumatology, Hematology, Immunobiology, Molecular Biology, Cell Biology

KARGER

www.karger.com/cudia

Contents

Foreword

Stohl, W.

Determinations of B Cell Fate in Immunity and Autoimmunity

Noelle, R.J.; Erickson, L.D.

Regulatory Roles for Cytokine-Producing B Cells in Infection and Autoimmune Disease

Lund, F.E.; Garvy, B.A.; Randall, T.D.; Harris, D.P.

The CD19-CD21 Signal Transduction Complex of B Lymphocytes Regulates the Balance between Health and Autoimmune Disease: Systemic Sclerosis as a Model System

Tedder, T.F.; Poe, J.C.; Fujimoto, M.; Haas, K.M.; Sato, S.

Marginal Zone B Cell Physiology and Disease

Lopes-Carvalho, T.; Kearney, J.F.

Dendritic Cells Control B Cell Growth and Differentiation

Jego, G.; Pascual, V.; Palucka, A.K.; Banchereau, J.

The Biology of CD20 and Its Potential as a Target for mAb Therapy

Cragg, M.S.; Walshe, C.A.; Ivanov, A.O.; Glennie, M.J.

B Lymphocyte Depletion in Rheumatoid Arthritis: Targeting of CD20

Edwards, J.C.W.; Leandro, M.J.; Cambridge, G.

Treatment of SLE with Anti-CD20 Monoclonal Antibody

Looney, R.J.; Anolik, J.; Sanz, I.

The Biochemistry and Biology of BAFF, APRIL and Their Receptors

Kalled, S.L.; Ambrose, C.; Hsu, Y.-M.

The BAFF/APRIL System: An Important Player in Systemic Rheumatic Diseases

Mackay, F.; Sierro, F.; Grey, S.T.; Gordon, T.P.

Human B Lymphocyte Malignancies: Exploitation of BlyS and APRIL and Their Receptors

Jelinek, D.F.; Darce, J.R.

BlySfulness Does Not Equal Blissfulness in Systemic Lupus Erythematosus: A Therapeutic Role for BlyS Antagonists

Stohl, W.

Author Index

Subject Index

Current Directions in Autoimmunity, Vol. 8

B Cell Trophic Factors and B Cell Antagonism in Autoimmune Disease

Editor: William Stohl (Los Angeles, CA)

VIII + 312 p., 36 fig., 4 in color, 11 tab., hard cover, 2005

CHF 228.- / EUR 163.- / USD 207.25

Prices subject to change

EUR price for Germany, USD price for USA only

ISBN 3-8055-7851-2

The book series

Current Directions in Autoimmunity

Series Editor:

A.N. Theofilopoulos (Scripps Research Institute, La Jolla, Calif.)

ISSN 1422-2132

Research in autoimmunity is advancing rapidly, but is widely dispersed and difficult to assimilate. This series is designed to synthesize and consolidate current directions in this field with primary emphasis on relevant genes and genetics. Recognized experts will act as guest editors for each volume, offering concise perspectives of evolving topics.

For more information, please log on to www.karger.com/cudia

Vol. 7

Complement in Autoimmunity

Editor: G. C. Tsokos (Silver Spring, Md.)
VI + 206 p., 21 fig., 2 in color, 10 tab.,
hard cover, 2004
CHF 198.- / EUR 141.50 / USD 172.25
3-8055-7646-3

Vol. 6

B Cell Biology in Autoimmunity

Editor: Nemazee, D. (La Jolla, Calif.)
VIII + 272 p., 43 fig., 4 in color, 14 tab.,
hard cover, 2002
CHF 198.- / EUR 141.50 / USD 172.25
ISBN 3-8055-7454-1

Vol. 5

Signal Transduction Pathways in Autoimmunity

Editor: Altman, A. (San Diego, Calif.)
VIII + 198 p., 13 fig., 5 in color, 3 tab.,
hard cover, 2002
CHF 228.- / EUR 163.- / USD 198.25
ISBN 3-8055-7308-1

Vol. 4

Molecular Pathology of Type 1 Diabetes mellitus

Editor: von Herrath, M.G. (La Jolla, Calif.)
X + 360 p., 24 fig., 10 tab., hard cover, 2001
CHF 288.- / EUR 205.50 / USD 250.50
ISBN 3-8055-7240-9

Vol. 3

Rheumatoid Arthritis

Editors: Goronzy, J.J.; Weyand, C.M. (Rochester, Minn.)
VIII + 282p., 46 fig., 1 color, 14 tab.,
hard cover, 2001
CHF 196.- / EUR 140.- / USD 170.50
ISBN 3-8055-7120-8

Vol. 2

Biologic and Gene Therapy of Autoimmune Disease

Editor: Fathman, C.G. (Stanford, Calif.)
VI + 224 p., 18 fig., 1 in color, 11 tab.,
hard cover, 2000
CHF 196.- / EUR 140.- / USD 170.50
ISBN 3-8055-6949-1

Vol. 1

Genes and Genetics of Autoimmunity

Editor: Theofilopoulos, A.N. (La Jolla, Calif.)
VIII + 296 p., 16 fig., 27 tab., hard cover, 1999
CHF 196.- / EUR 140.- / USD 170.50
ISBN 3-8055-6814-2

Prices subject to change
EUR price for Germany,
USD price for USA only

KARGER

Order Form

Current Directions in Autoimmunity

Please send:

— copy/ies: Vol. 8: **B Cell Tropic Factors and B Cell Antagonism in Autoimmune Disease**
CHF 228.- / EUR 163.- / USD 207.25
ISBN 3-8055-7851-2

— copy/ies: ISBN 3-8055-_____

the book series **Current Directions in Autoimmunity**
on continuation beginning with vol. _____

information on vols. _____

All Karger series are available on continuation. Each volume will be sent upon publication until order is countermanded.

For easy ordering or information about other Karger publications log on to:
www.karger.com

Postage and handling free with prepayment

Payment:

Check enclosed Please bill me

Please charge to my credit card

American Express Diners
 Eurocard MasterCard
 Visa

Card No.: _____

Exp. date: _____

Name/Address: _____

Date: _____

Signature: _____

Orders can be placed at agencies, bookstores, directly with the publisher, or with any Karger distributor.

S. Karger AG, P.O. Box, 4009 Basel (Switzerland)
Fax +41 61 306 12 34, E-Mail orders@karger.ch
USA: S. Karger Publishers, Inc., 26 West Avon Road,
P.O. Box 529, Farmington, CT 06085 (USA)
Toll free: 1-800-828-5479

Germany: S. Karger GmbH, Lörracher Str. 16A,
79115 Freiburg (Germany)

France: Librairie Lugninbühl,
36, bd de Latour-Maubourg, 75007 Paris (France)

United Kingdom, Ireland: S. Karger AG, 4 Rickett Street,
London SW6 1RU (United Kingdom)

Baltic States: Discripta OÜ, Viru St. 6, 10140 Tallinn
(Estonia)

Gulf Council Countries, Iran, Middle East, North Africa,
Turkey: Trans Middle East Internat. Distribution Co. Ltd.,
KaSha, P.O. Box 2376 Telaa' Al-Ali, Amman 11953
(Jordan)

ASEAN countries, Hong Kong, Taiwan, South Korea:
APAC Publishers Services Pte. Ltd.,
70, Bendemeer Road, #05-03 Hiap Huat House,
Singapore 339 940 (Singapore)

India, Bangladesh, Sri Lanka:
Panther Publishers Private Ltd., 33, First Main,
Koramangala First Block, Bangalore 560 034 (India)

Japan: Karger Japan, Inc., Yushima 5 Bld. 3F,
4-2-3 Yushima, Bunkyo-ku, Tokyo 113-0034 (Japan)

Australia: DA Information Services,
648 Whitehorse Road, Mitcham, Vic. 3132 (Australia)