

international
immunology

APRIL 2008 VOLUME 20 NUMBER 4

www.intimm.oxfordjournals.org

FEATURED ARTICLE

Cbl promotes B cell receptor
endocytosis through ubiquitination and
cytoskeletal remodeling



• international immunology

Founding Editor Tomio Tada

Editor-in-Chief Tadimitsu Kishimoto (Osaka University, Japan)

Editorial Office,

International Immunology

c/o The Research Foundation for Microbial Diseases of Osaka University, 3-1 Yamada-oka, Suita, Osaka 565-0871, Japan

TEL: +81-6-6816-3387

FAX: +81-6-6816-3765

E-mail: iieditor@ragtime.biken.osaka-u.ac.jp

Associate Editors

Shizuo Akira (Osaka University)

Hitoshi Kikutani (Osaka University)

Kiyoshi Takatsu (Tokyo University)

Editorial Board

Frederick W. Alt (Harvard University, USA)

Max D. Cooper (University of Alabama, USA)

Alain Fischer (INSERM U429, France)

Tasuku Honjo (Kyoto University, Japan)

Tak W. Mak (University Health Network, Princess Margaret Hospital, Canada)

Philippa Marrack (National Jewish Medical and Research Center, USA)

Andrew McMichael (Oxford University, UK)

Fritz Melchers (University of Basel, Switzerland)

Klaus Rajewsky (Universität zu Köln, Germany)

Kenneth D. Shortman (The Walter and Eliza Hall Institute of Medical Research, Australia)

Masaru Taniguchi (RIKEN Research for Allergy and Immunology, Japan)

Emil R. Unanue (Washington University, USA)

Hans Wigzell (Karolinska Institute, Sweden)

International Immunology publishes a broad range of experimental and theoretical studies in molecular and cellular immunology conducted in laboratories throughout the world. Detailed instructions for submission of manuscripts are available online (<http://intimm.oxfordjournals.org/>).

Subscriptions

A subscription to *International Immunology* comprises 12 issues. All prices include postage, and for subscribers outside the UK delivery is by Standard Air. *International Immunology Advance Access* contains papers that have reached corrected proof stage, but have not yet been included within an issue. Advance Access is updated weekly.

Annual Subscription Rate (Volume 20, 12 issues, 2008): Institutional: Print edition and site-wide online access: £755/\$1435/€1133; Print edition only £717/\$1362/€1076; Site-wide online access only: £717/\$1362/€1076. Personal: Print edition and individual online access: £287/\$545/€431.

Please note: US\$ rate applies to US & Canada, Euros applies to Europe, UK£ applies to UK and Rest of World.

There may be other subscription rates available, for a complete listing please visit www.intimm.oxfordjournals.org/subinfo.

Full prepayment, in the correct currency, is required for all orders. Orders are regarded as firm and payments are not refundable. Subscriptions are accepted and entered on a complete volume basis. Claims cannot be considered more than FOUR months after publication or date of order, whichever is later. All subscriptions in Canada are subject to GST. Subscriptions in the EU may be subject to European VAT. If registered, please supply details to avoid unnecessary charges. For subscriptions that include online versions, a proportion of the subscription price may be subject to UK VAT. Personal rate subscriptions are only available if payment is made by personal cheque or credit card and delivery is to a private address.

The current year and two previous years' issues are available from Oxford University Press. Previous volumes can be obtained from the Periodicals Service Company, 11 Main Street, Germantown, NY 12526, USA. Email: psc@periodicals.com. Tel: +1 (518) 537 4700. Fax: +1 (518) 537 5899.

For further information, please contact: Journals Customer Service Department, Oxford University Press, Great Clarendon Street, Oxford OX2 6DP, UK. Email: jnls.cust.serv@oxfordjournals.org.

Tel (and answerphone outside normal working hours): +44 (0)1865 353907. Fax: +44 (0)1865 353485. **In the US, please contact:** Journals Customer Service Department, Oxford University Press, 2001 Evans Road, Cary, NC 27513, USA. Email: jnlorders@oxfordjournals.org. Tel (and answerphone outside normal working hours): 800 852 7323 (toll-free in USA/Canada). Fax: 919 677 1714. **In Japan, please contact:** Journals Customer Services, Oxford University Press, 4-5-10-8F, Shiba, Minato-ku, Tokyo, 108-8386 Japan. Email: custserv.jp@oxfordjournals.org. Tel: (03) 5444 5858. Fax: (03) 3454 2929.

Methods of payment. (i) Cheque (payable to Oxford University Press, to Oxford University Press, Cashiers Office, Great Clarendon Street, Oxford OX2 6DP, UK) in GB£ Sterling (drawn on a UK bank), US\$ Dollars (drawn on a US bank), or EU€ Euros. (ii) Bank transfer to Barclays Bank Plc, Oxford Group Office, Oxford (bank sort code 20-65-18) (UK), overseas only Swift code BARC GB 22 (GB£ Sterling to account no. 70299332, IBAN GB89BARC20651870299332; US\$ Dollars to account no. 66014600, IBAN GB27BARC20651866014600; EU€ Euros to account no. 78923655, IBAN GB16BARC20651878923655). (iii) Credit card (Mastercard, Visa, Switch or American Express).

International Immunology is published monthly by Oxford University Press, Oxford, UK. Annual subscription price is £755/\$1435/€1133. *International Immunology* is distributed by Mercury International, 365 Blair Road, Avenel, NJ 07001, USA. Periodicals postage paid at Rahway, NJ and at additional entry points.

US Postmaster: send address changes to International Immunology (ISSN 0953-8178), c/o Mercury International, 365 Blair Road, Avenel, NJ 07001, USA.

Supplements, reprints and corporate sales: For requests from industry and companies regarding supplements, bulk article reprints, sponsored subscriptions, translation opportunities for previously published material, and corporate online opportunities, please email special.sales@oxfordjournals.org, fax +44 (0)1865 353774 or visit www.oxfordjournals.org/sales.

Permissions: For information on how to request permissions to reproduce articles/information from this journal, please visit www.oxfordjournals.org/permissions.

Advertising, inserts and artwork enquiries should be addressed to Advertising and Special Sales, Oxford Journals, Oxford University Press, Great Clarendon Street, Oxford, OX2 6DP, UK. Tel: +44 (0)1865 354767; Fax: +44 (0)1865 353774; E-mail: jnlsadvertising@oxfordjournals.org.

Oxford Journals Environmental and Ethical Policies: Oxford Journals is committed to working with the global community to bring the highest quality research to the widest possible audience. Oxford Journals will protect the environment by implementing environmentally friendly policies and practices wherever possible. Please see <http://www.oxfordjournals.org/ethicalpolicies.html> for further information on Oxford Journals' environmental and ethical policies.

Disclaimer: The opinions expressed in *International Immunology* are those of the authors and contributors, and do not necessarily reflect those of the Japanese Society for Immunology, the editors, the editorial board, Oxford University Press or the organization to which the authors are affiliated.

© The Japanese Society for Immunology 2008

All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without prior written permission of the Publishers, or a licence permitting restricted copying issued in the UK by the Copyright Licensing Agency Ltd, 90 Tottenham Court Road, London W1P 9HE, or in the USA by the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. For those in the USA or Canada not registered with CCC, articles can be obtained by fax in 48 hours by calling: WISE for Medicine™ 1-800-667-WISE.