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192 (6)

*J Immunol* 2014; 192:2527-2931; ;  
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Print ISSN: 0022-1767 Online ISSN: 1550-6606.



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On the cover: Electron microscopy of a skin mast cell showing zonal degranulation 30 s after thermal injury in a mouse lacking mast cell protease 4. Despite an intact degranulation response similar to that of burn-injured wild-type mice, these mice are protected against thermal injury-induced ulceration. Bankova, L. G., C. Lezcano, G. Pejler, R. L. Stevens, G. F. Murphy, K. F. Austen, and M. F. Gurish. 2014. Mouse mast cell protease 4 and 5 mediate epidermal injury through disruption of tight junctions. *J. Immunol.* 192: 2812–2820.

*The Journal of Immunology* (ISSN 0022-1767) is published twice each month by The American Association of Immunologists, Inc., 9650 Rockville Pike, Bethesda, MD 20814-3994, Phone: 301-634-7197, Fax: 301-634-7829. Subscription terms: New subscriptions and renewals begin January 1 and expire one year later (see <http://www.jimmunol.org/subscriptions> for prices and details). A special rate is available to members of The American Association of Immunologists, Inc. (see <http://www.aai.org/membership>). The American Association of Immunologists, Inc., is not responsible for undeliverable issues. Replacement issues can be obtained, if available, at the regular price of single issues (see [http://www.jimmunol.org/pdf/single\\_issue\\_purchase.pdf](http://www.jimmunol.org/pdf/single_issue_purchase.pdf)). Reprints of individual articles are available only from authors. Periodicals postage paid at Bethesda, MD 20814-3994, and at additional mailing offices. Country of origin U.S.A. Printed on acid-free recyclable paper. Postmaster: Send address changes 60 days in advance to *The Journal of Immunology*, Subscription Department, 9650 Rockville Pike, Bethesda, MD 20814-3994. Copyright © 2014 by The American Association of Immunologists, Inc.

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