



COVID-19 Research Tools

Defeat the SARS-CoV-2 Variants

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Correction: Dendritic Cell RIPK1 Maintains Immune Homeostasis by Preventing Inflammation and Autoimmunity

This information is current as of May 19, 2022.

Joanne A. O'Donnell, Jesse Lehman, Justine E. Roderick, Dalia Martinez-Marin, Matija Zelic, Ciara Doran, Nicole Hermance, Stephen Lyle, Manolis Pasparakis, Katherine A. Fitzgerald, Ann Marshak-Rothstein and Michelle A. Kelliher

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Corrections

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In the version of this article originally published, incorrect versions of Fig. 3F and Supplemental Fig. 3B, without data from *Ripk1^{DC KO}* *Mkl1^{-/-}* and littermate controls, were inadvertently included. A revised version of Fig. 3 is shown below. The legend for Fig. 3 was correct as published and is shown below for reference.

Supplemental Fig. 3B has been updated in the supplemental material online. Fig. 3 has also been corrected in the online version of the article, which now differs from the print version as originally published.

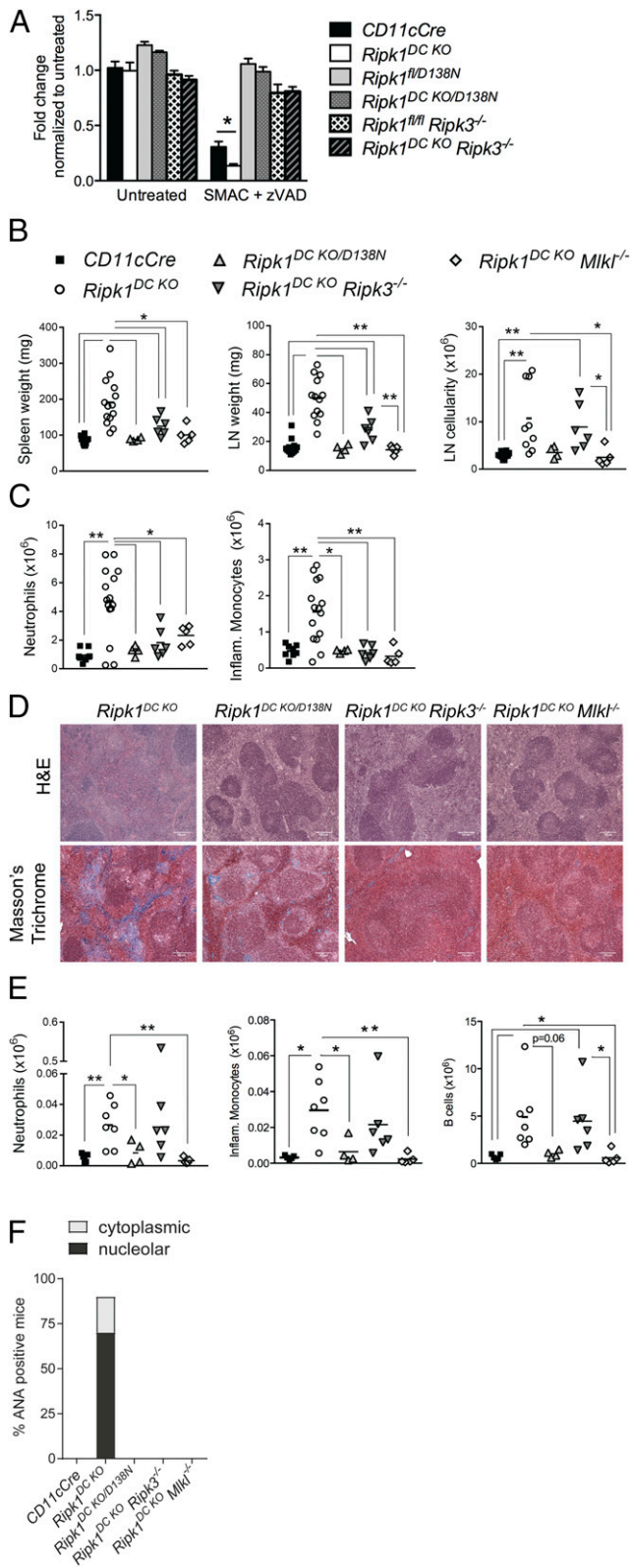


FIGURE 3. DC necroptosis underlies the systemic inflammation in *Ripk1^{DC KO}* mice. (A) DCs from *CD11cCre Ripk1^{fl/D138N}* (*Ripk1^{DC KO/D138N}*) and *Ripk1^{DC KO} Ripk3^{-/-}* mice are protected from necroptosis in vitro. BMDCs were treated with SMAC mimetics and zVAD-fmk. Effects on cell viability were measured at 18 h using Cell Titer Glo. *n* = 3–6 samples. (B) Spleen and lymph node (LN) weights and lymph node cellularity from *CD11cCre*, *Ripk1^{DC KO}*, *Ripk1^{DC KO/D138N}*, *Ripk1^{DC KO} Ripk3^{-/-}*, and

Ripk1^{DC KO} Mkl1^{-/-} mice. (C) Neutrophil and inflammatory monocyte numbers in the spleens of *CD11cCre*, *Ripk1^{DC KO}*, *Ripk1^{DC KO/D138N}*, *Ripk1^{DC KO} Ripk3^{-/-}*, and *Ripk1^{DC KO} Mkl1^{-/-}* mice. (D) H&E and Masson's trichrome staining of spleens from *Ripk1^{DC KO}*, *Ripk1^{DC KO/D138N}*, *Ripk1^{DC KO} Ripk3^{-/-}*, and *Ripk1^{DC KO} Mkl1^{-/-}* mice. (E) Neutrophils, inflammatory monocytes, and B cells are elevated in the lymph nodes of *Ripk1^{DC KO}* and *Ripk1^{DC KO} Ripk3^{-/-}* mice but not *Ripk1^{DC KO/D138N}* or *Ripk1^{DC KO} Mkl1^{-/-}* mice. (F) Proportion of mice serum positive for ANAs at 6 mo (*n* = 3–6 mice per genotype). Unless otherwise stated, all data shown are from 16 wk-old mice. *CD11cCre* and *Ripk1^{DC KO}* mouse phenotyping data shown in (B), (C), (E), and (F) were shown in Fig. 2. Error bars, mean ± SEM. Scale bars, 100 μm. Unpaired two-tailed Student *t* test (A–C and E). **p* < 0.05, ***p* < 0.01.