## Resolvin E1 attenuates murine psoriatic dermatitis

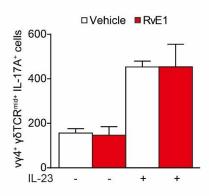
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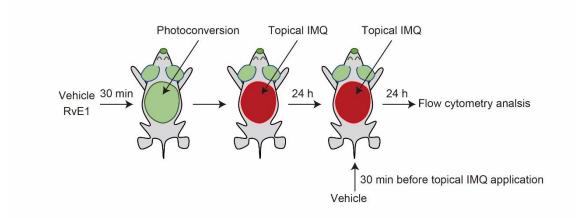
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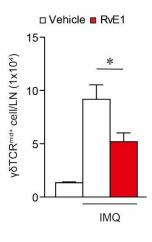
## Figure S1. IL-17A production by γδ T cells.

Twenty-four hours after the stimulation with recombinant IL-23 ( $10\mu g/ml$ ) in the presence or absence of RvE1 (100 nM), LN suspension cells were stained with anti- $\gamma\delta$ TCR and anti-IL-17A mAbs, and subjected to a flow cytometric analysis. N.S, no significant difference.



## Figure S2. A schema of the photo-labelling system using Kaede transgenic mice.

Thirty minutes after the administration of vehicle or RvE1 (200 ng/mouse), the shaved back skin of Kaede transgenic mice was irradiated with violet light (photoconversion), and treated with IMQ. Twenty-four hours after the photoconversion, vehicle or RvE1 was again administered, and IMQ was applied 30 min later. Forty-eight hours after the photoconversion, the brachial dLNs were collected, stained with anti-CD11c, anti-MHC class II, and anti- $\gamma\delta$ TCR mAbs, and subjected to flow cytometric analysis.



## Figure S3. The number of $\gamma\delta$ TCR+ cells in dLN.

The number of  $\gamma \delta TCR^{mid+}$  cells in the steady state and IMQ treated mice for 7 days with RvE1 or vehicle administration were subjected to the flow cytometry.

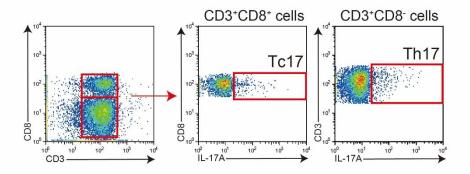


Figure S4. A representative FACS plot of Tc17 and Th17 cells.

PBMCs were stimulated with PMA and ionomycin for 4 hours and Golgistop was added. Then, production of IL-17A by PBMCs was determined at the single-cell level by intracellular cytokine staining. The numbers outside the upper and lower right quadrants represent the percentage of IL-17A<sup>+</sup> cells in CD3<sup>+</sup>CD8<sup>+</sup> or CD3<sup>+</sup>CD8<sup>+</sup> cells.