***eLife’s* transparent reporting form**

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**Sample-size estimation**

* You should state whether an appropriate sample size was computed when the study was being designed
* You should state the statistical method of sample size computation and any required assumptions
* If no explicit power analysis was used, you should describe how you decided what sample (replicate) size (number) to use

Please outline where this information can be found within the submission (e.g., sections or figure legends), or explain why this information doesn’t apply to your submission:

Sample size for mice experiments was determined according to standard practice. In a first experiment we used n=3-4 mice per condition to have sufficient data for statistical analysis while reducing to the minimum the number of animals necessary to achieve the preliminary results and conclusions. Mouse experiments were repeated, if necessary, two to four times with an n = 3-5 mice per group. No statistical methods were used to predetermine sample sizes.

All figure legends contain a description of sample sizes used for analysis of the primary data shown in the particular figure. Additional information can be found in the corresponding section in Methods.

**Replicates**

* You should report how often each experiment was performed
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The data presented in the manuscript are from one representative independent experiment or from 2-4 independent experiments as indicated in the figure legends. No data points were excluded from analyses.

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* Statistical analysis methods should be described and justified
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* For each experiment, you should identify the statistical tests used, exact values of N, definitions of center, methods of multiple test correction, and dispersion and precision measures (e.g., mean, median, SD, SEM, confidence intervals; and, for the major substantive results, a measure of effect size (e.g., Pearson's r, Cohen's d)
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Each figure legend precisely describes the statistical analyses performed for a particular dataset presented in the corresponding figure.

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(For large datasets, or papers with a very large number of statistical tests, you may upload a single table file with tests, Ns, etc., with reference to sections in the manuscript.)

**Group allocation**

* Indicate how samples were allocated into experimental groups (in the case of clinical studies, please specify allocation to treatment method); if randomization was used, please also state if restricted randomization was applied
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Please outline where this information can be found within the submission (e.g., sections or figure legends), or explain why this information doesn’t apply to your submission:

Mice from the same strain or genotype, male or females (6-12 weeks old) were randomly assigned to infection, treatment or control group.

The relevant information is mentioned in the corresponding sections in Methods.

**Additional data files (“source data”)**

* We encourage you to upload relevant additional data files, such as numerical data that are represented as a graph in a figure, or as a summary table
* Where provided, these should be in the most useful format, and they can be uploaded as “Source data” files linked to a main figure or table
* Include model definition files including the full list of parameters used
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Please indicate the figures or tables for which source data files have been provided:

All the relevant data are provided within the manuscript and in the supplementary figures or tables. Supplementary source data is provided for Western blot in Fig. 9a.