

Supplementary Materials

Establishment of a non-lethal model of antibody-dependent enhancement of infection in A129 mice based on a non-mouse-adapted dengue virus strain

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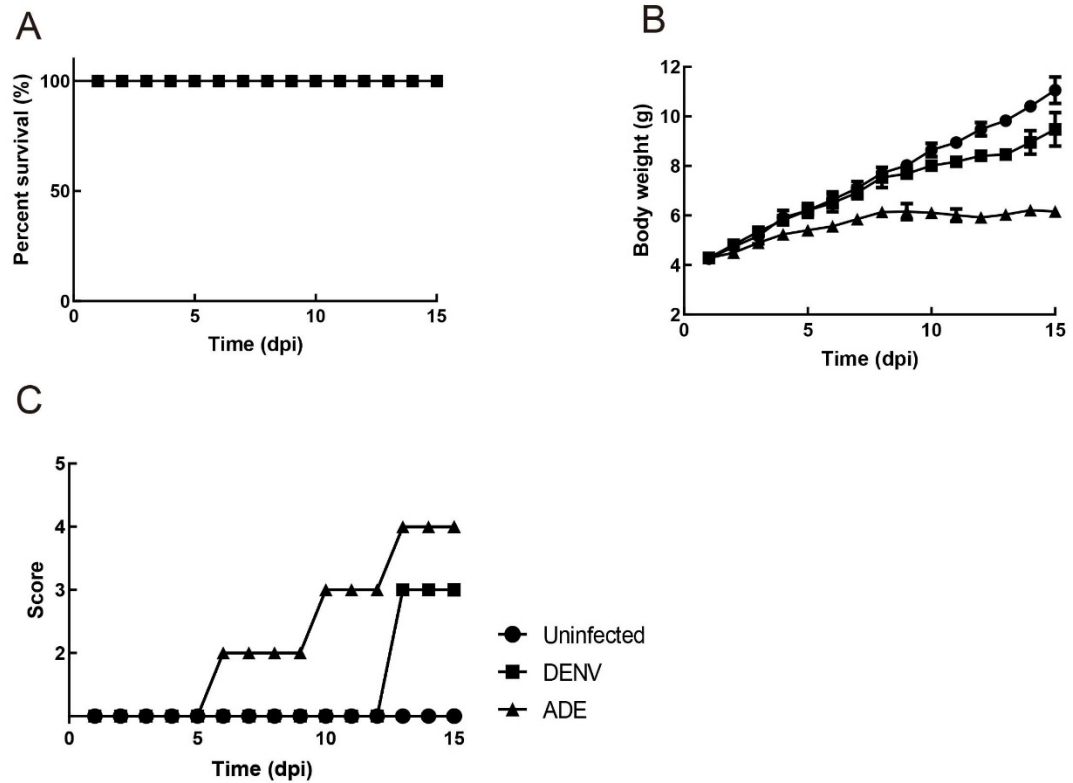
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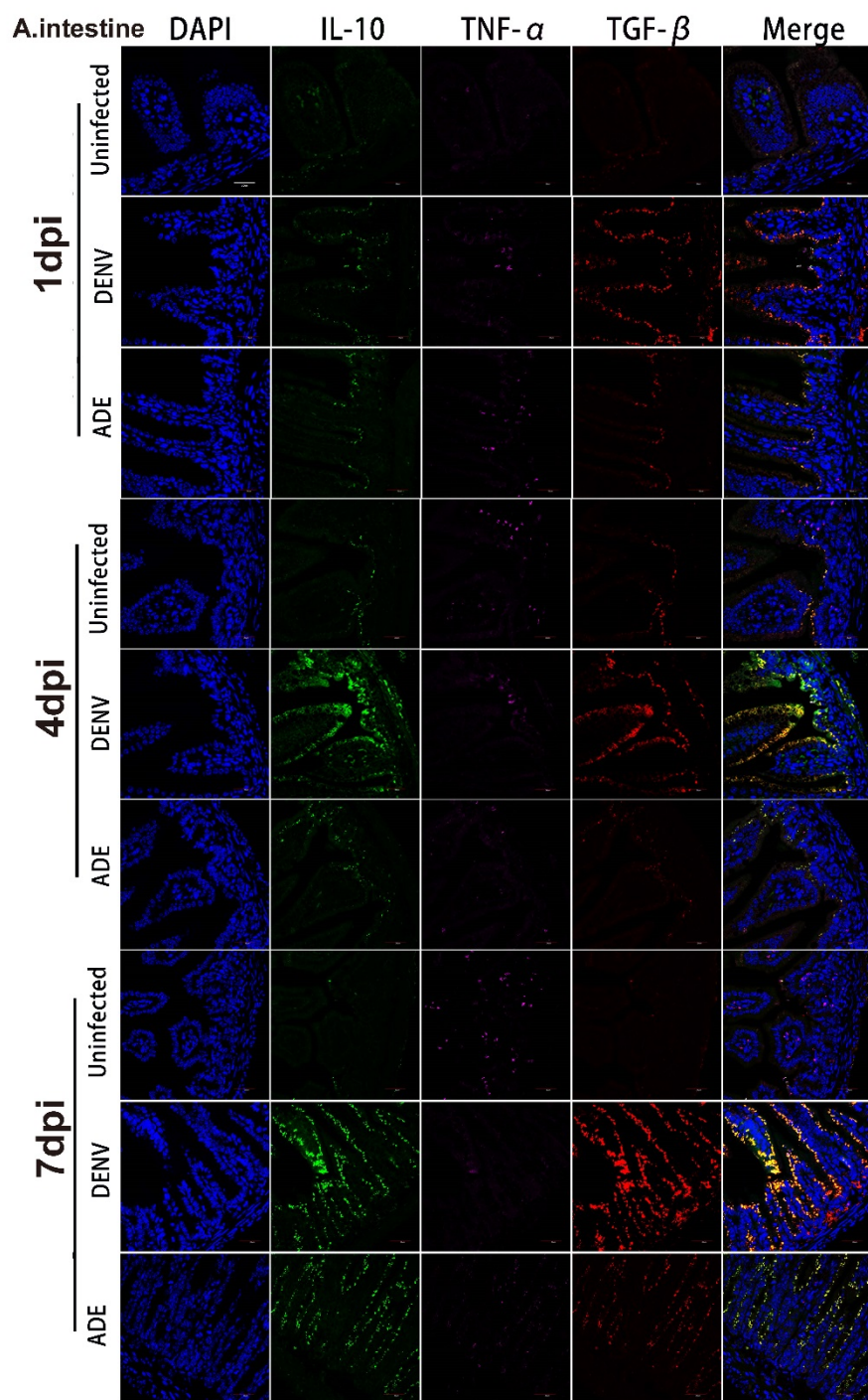
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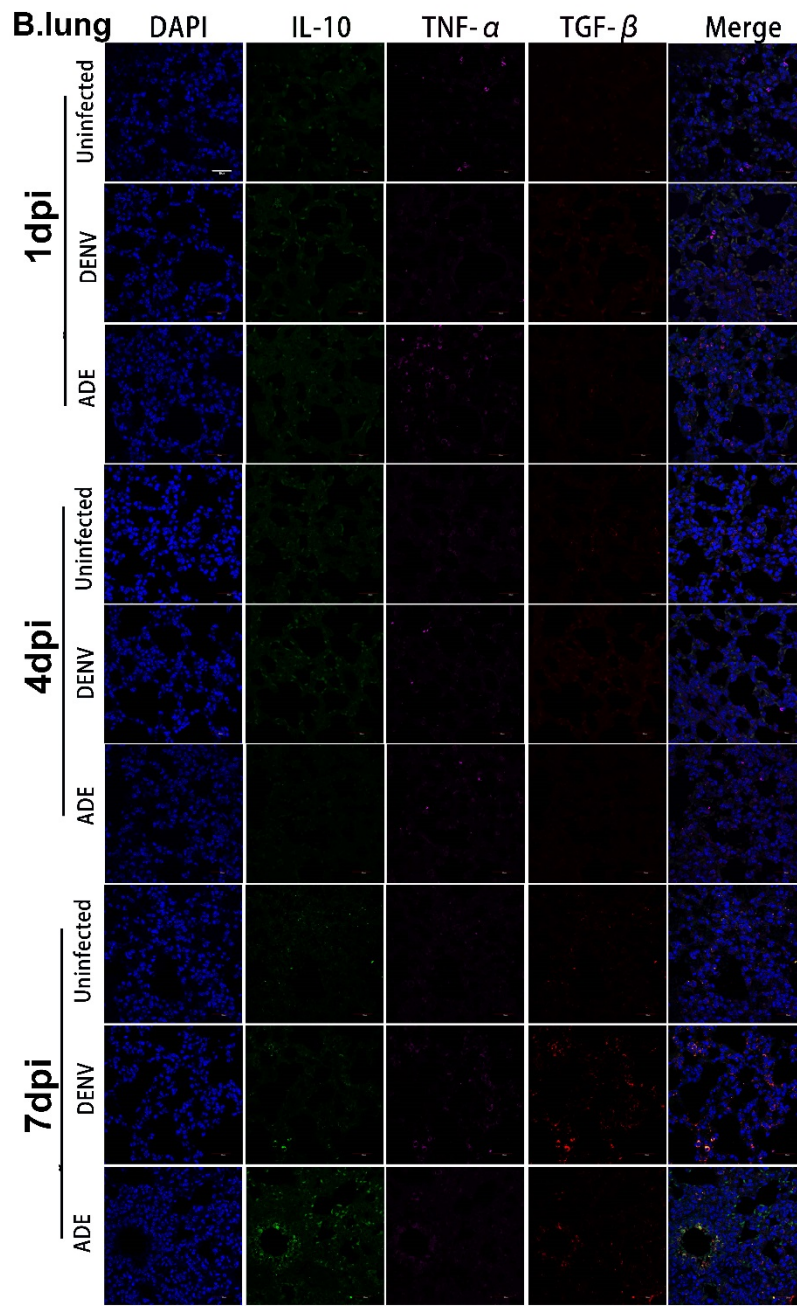
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Supplementary Figure S1 Clinical symptoms of A129 mouse model post-infection

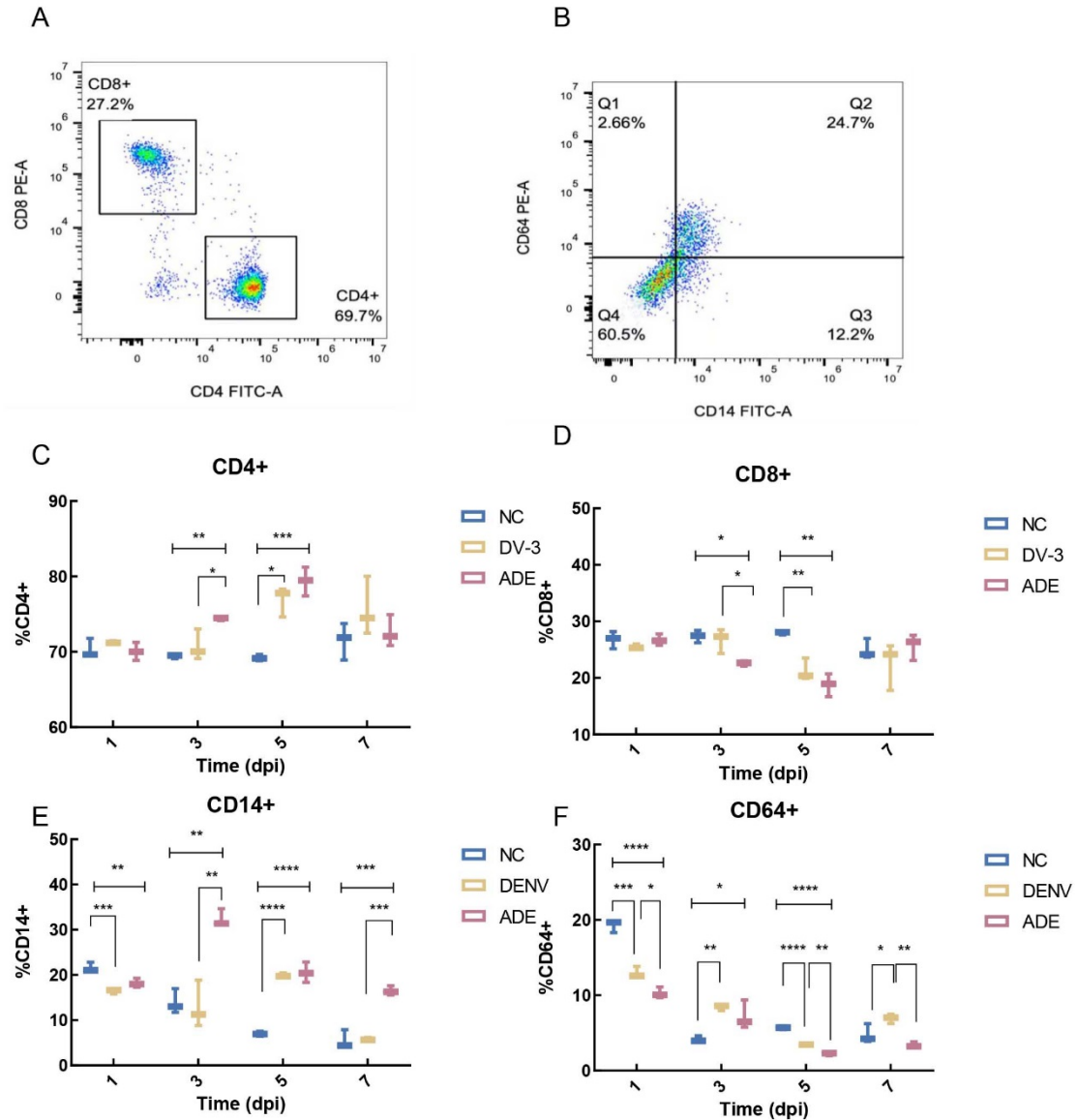
After subcutaneous infection of 7-day-old A129 mice, the NC, DENV, and ADE groups were established to determine survival curve (A), body weight (B), and clinical scores (C). Clinical scoring system was classified as follows: healthy (0 point), piloerection (1 point), hunched (2 points), severe diarrhea (3 points), lethargic (4 points), and moribund (5 points) ($n=9$ mice/group).





Supplementary Figure S2 Expression levels of IL-10, TGF- β , and TNF- α in intestine and lung after DENV-3 infection in A129 mice

A: Immunofluorescence staining of intestinal tissue. **B:** Immunofluorescence staining of lung tissue. Blue represents DAPI staining; green, pink, and red represent IL-10, TGF- β , and TNF- α staining, respectively ($n=3/\text{group}$).



Supplementary Figure S3 Antibody-dependent enhancement infection in A129 mice mediated activation of CD4⁺ lymphocytes and CD14⁺ neutrophils

A–B: CD4⁺ and CD8⁺ T cells (A) and CD14⁺ and CD64⁺ neutrophils (B) were detected in peripheral blood cells. **C–F:** Percentages of CD4⁺ T cells (C), CD8⁺ T cells (D), CD14⁺ neutrophils (E), and CD64⁺ neutrophils (F). * $P \leq 0.05$, ** $P \leq 0.01$, *** $P \leq 0.001$, **** $P \leq 0.0001$ ($n=3/\text{group}$).