

Castanha et al

Supplemental Material

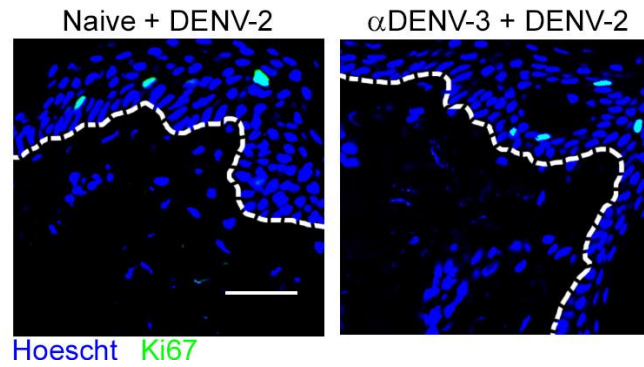


Figure S1. Dermal myeloid cells lack evidence of proliferation following DENV-2 infection. Immunofluorescence of skin stained with antibody to Ki67 (green) after inoculation with DENV-2 in skin pretreated with DENV-3 immune sera or naïve sera. Blue staining represents nuclei and dotted lines indicate epidermal-dermal junction. Note scattered Ki67+ cells in epidermis in both conditions, consistent with homeostatic keratinocyte division. Scale bar 50µm.

Table S1. Binding properties of DENV-3 and ZIKV immune serum to homologous and heterologous virus. Mean \pm SEM of IC₅₀ values (log₁₀) of DENV-3 and ZIKV immune serum to homologous and heterologous virus.

Antigen	IC₅₀\pmSEM	
	αDENV-3	αZIKV
DENV-2	3.05 \pm 0.13	1.77 \pm 0.23
DENV-3	3.23 \pm 0.05	1.52 \pm 0.24
ZIKV	1.81 \pm 0.27	2.07 \pm 0.24

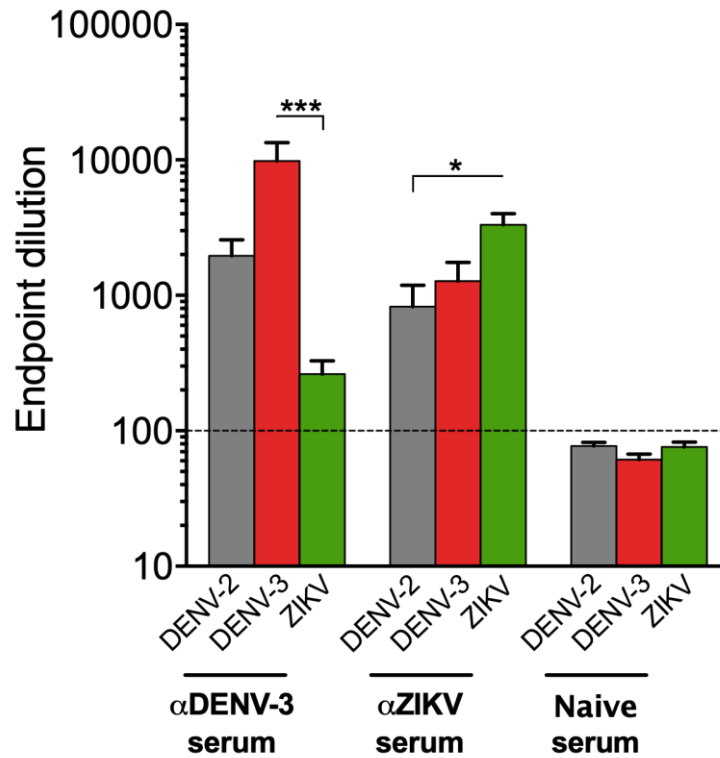


Figure S2. Endpoint titers of binding IgG in DENV-3 and ZIKV immune serum to homologous and heterologous virus. Mean \pm SEM endpoint IgG titer for each data set are indicated. Dotted line represents initial serum dilution. Statistically significant differences were determined through Kruskal-Wallis test, followed by Dunn multiple comparison tests and are marked as * $p < 0.05$ and *** $p < 0.0001$.

