**Supplemental Fig. S1**

**A** Anti-SARS-CoV-2 Spike-Specific IgG measured in sera from different groups of immunized and mock-immunized triple transgenic hACE2-HLA-A2/DR mice at day 27 post immunization.

**B** SARS-CoV-2 Washington variant Neutralization by sera from different groups of immunized and mock-immunized triple transgenic hACE2-HLA-A2/DR mice at day 27 post immunization.

**C** Staining of triple transgenic hACE2-HLA-A2/DR mice lung tissue 14 days after exposure to SARS-CoV-2, for virus nucleoprotein (NP) in yellow (n = 3).
Supplemental Fig. S2

A

B