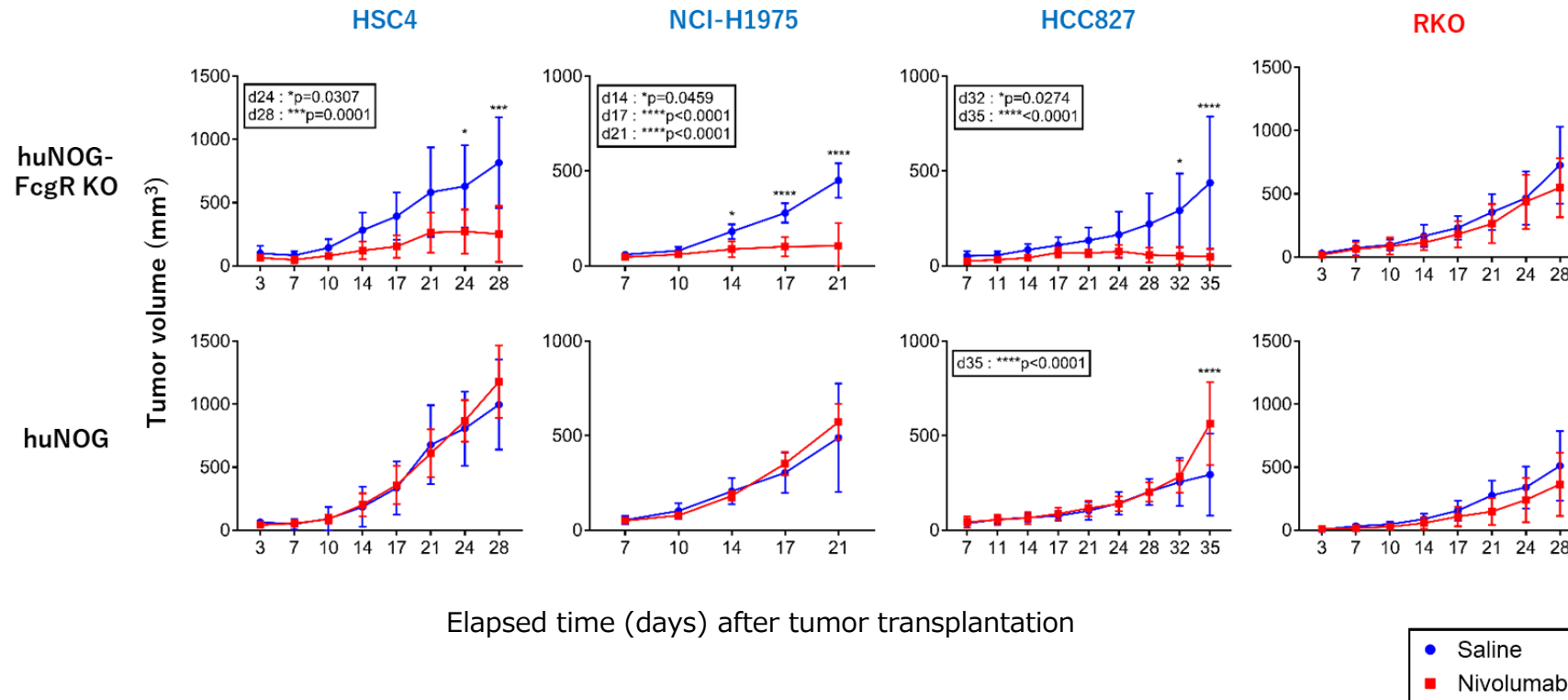


Antitumor effect by Nivolumab

Comparison of humanized NOG and humanized NOGF mouse



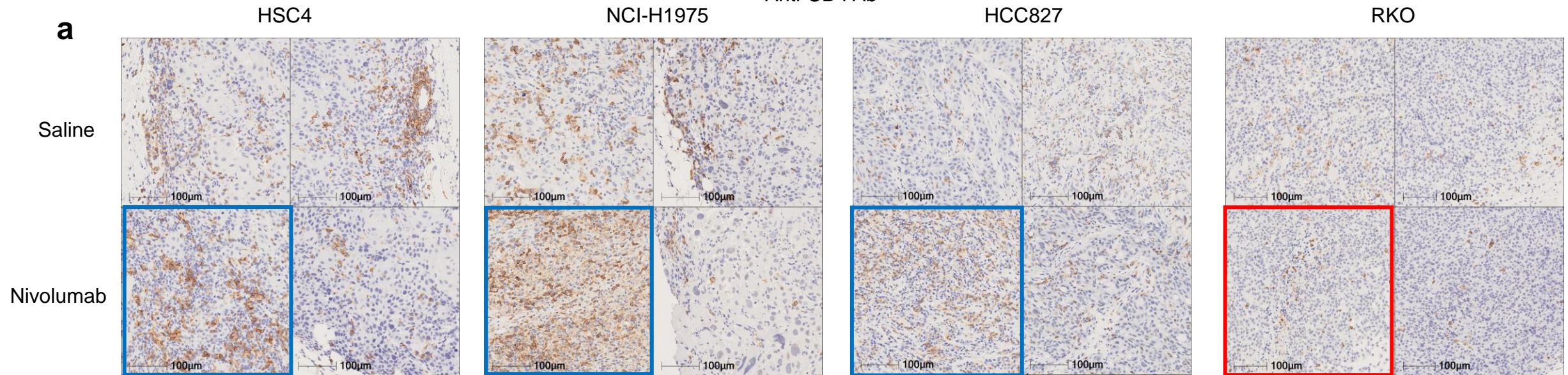
Antitumor effect by Nivolumab :

- Growth of HSC4, NCI-H1975, and HCC827 cancer cell lines were strongly suppressed or rejected by treatment with Nivolumab in humanized NOG-FcgR KO mouse, but neither was suppressed in conventional humanized NOG mouse.

Pathological analysis by immunohistochemistry (IHC, Next page):

- HSC4, NCI-H1975, and HCC827 cancer cell lines transplanted into humanized NOG-FcgR KO mouse treated with Nivolumab showed enhanced infiltration of human CD4+ and CD8+ T cells, whereas the RKO cancer cell line did not increase.
- In conventional humanized NOG mouse, only a small number of human T-cell infiltrates were observed after nivolumab administration.

Anti-CD4 Ab



Anti-CD8 Ab

