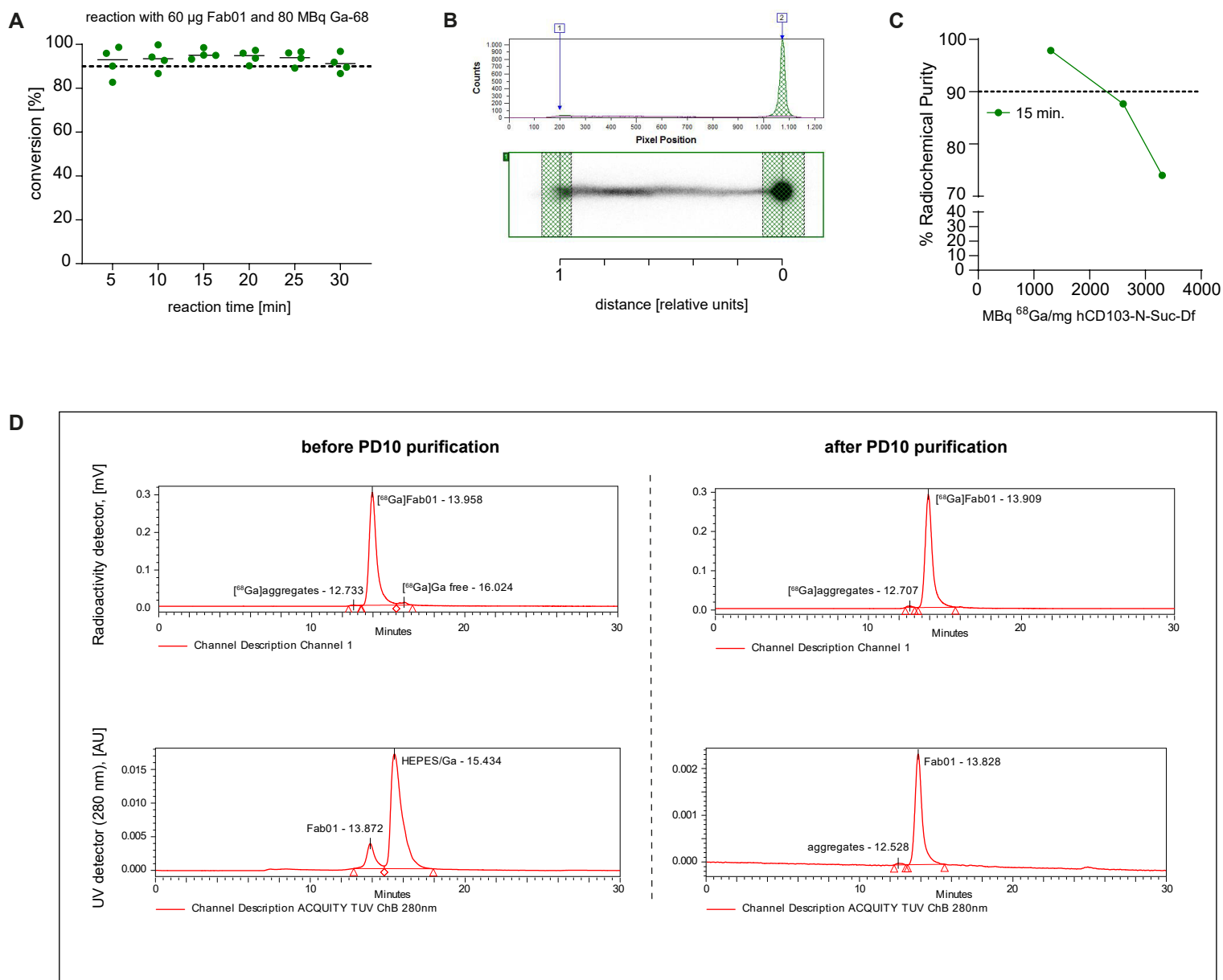


Supplementary Figure 1



Supplementary Figure 1. Tracer labeling optimization with

A) different timepoints was assessed by instant thin-layer chromatography,

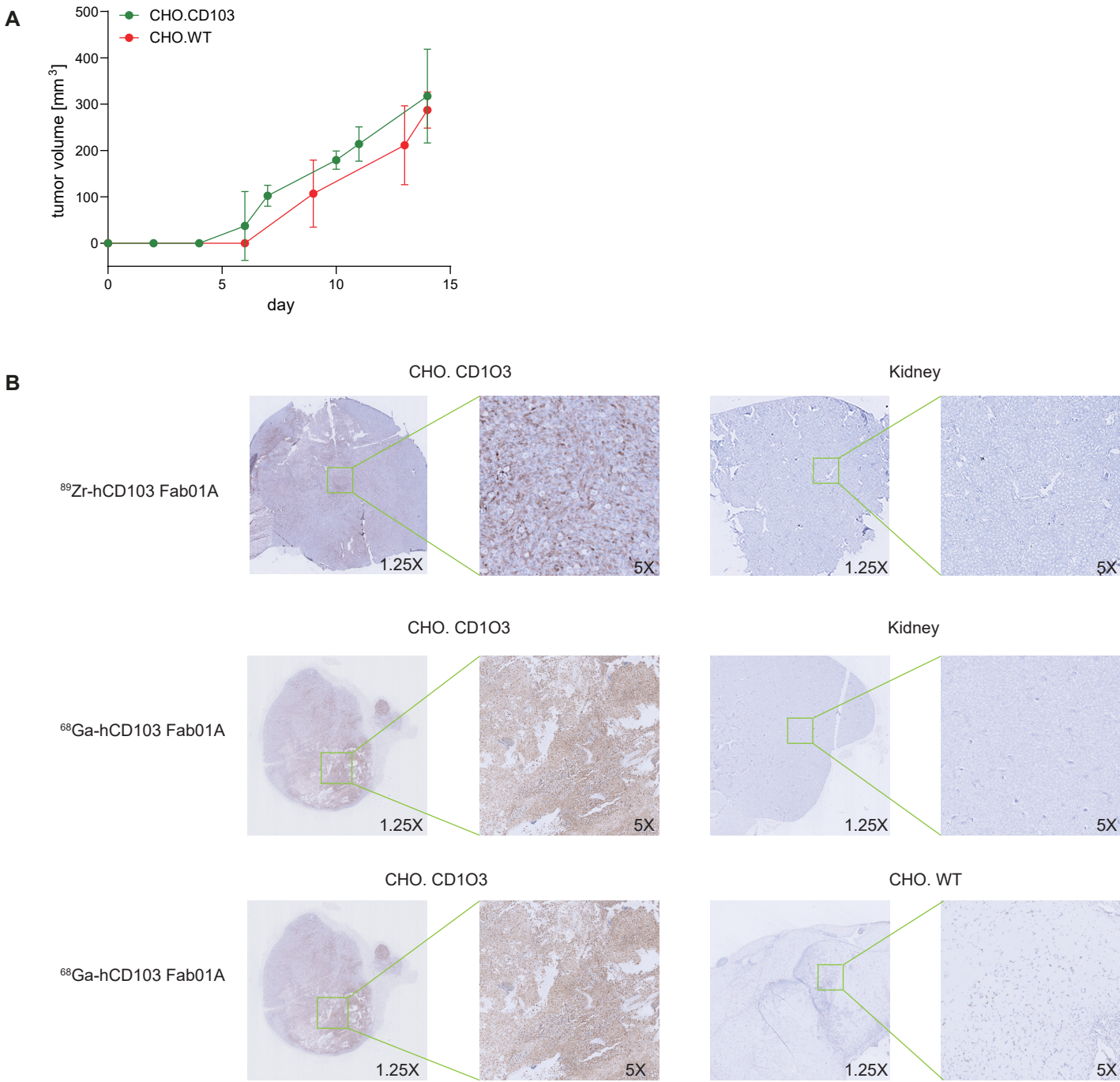
where retardation factor of radiolabeled Fab fragment is 0.0 and complexed ^{68}Ga is 1.0

B). In the same manner was assessed amount of activity needed to achieve RCP >90%

C- D) Purity and characterization of radiolabeled Fab fragment was done with SE-UPLC chromatograms using UV detection at 280 nm (protein) and activity detector.

Left panel shows chromatograms of unpurified reaction mixtures (Fab, $^{68}\text{GaCl}$ and HEPES) and right panel – purified Fab by miniPD10 desalting column.

Supplementary Figure 2



Supplementary Figure 2. In vivo properties of CHO.CD103 and CHO.K1 cell lines.
A) Representative in vivo growth curves of CHO.CD103 (n=6) and CHO.K1 (n=4).
B) Representative ex vivo immunohistochemistry staining of CHO.CD103, CHO.K1 tumor and kidney.