

Supplementary Fig. 1 (a) Conjugation reaction efficiency of Df to onartuzumab at varying molar reaction ratios. **(b)** Radiochemical purity for ^{89}Zr labelling at various conjugation ratios for Df to onartuzumab, with specific activities between 50-1000 MBq/mg conjugate. **(c)** Retained affinity of ^{89}Zr -onartuzumab at varying molar conjugation ratios of Df to onartuzumab, compared to naked onartuzumab by competition assay. **(d)** Stability of ^{89}Zr -onartuzumab in 0.9% NaCl at 4° C, human serum at 37° C and HEPES pH 7.2 at 37° C up to 7 days

