S2 Fig: Bio Layer Interferometry analysis of the affinity of 514G3 to SpA domain variants: Sensograms showing the relative binding of 514G3 to SpA, MabSelect and MabSelect SuRe ligands. 5μg/ml of biotinylated antibody was loaded onto streptavidin sensors, and binding response signals at antigen concentrations of 20-0.625 nM (for WT SpA and MabSelect SuRe) or 200-0.625nM (for MabSelect SuRe) was recorded. The data was aligned at the y-axis using the baseline and smoothed by Savitzky-Golay filtering. The equilibrium constant ($K_D$) was calculated from the observed $K_a$ and $K_d$ using the device accompanied data analysis software.

![Sensogram 514G3: WT SpA](image)

![Sensogram 514G3: MabSelect](image)

![Sensogram 514G3: MabSelect SuRe](image)