

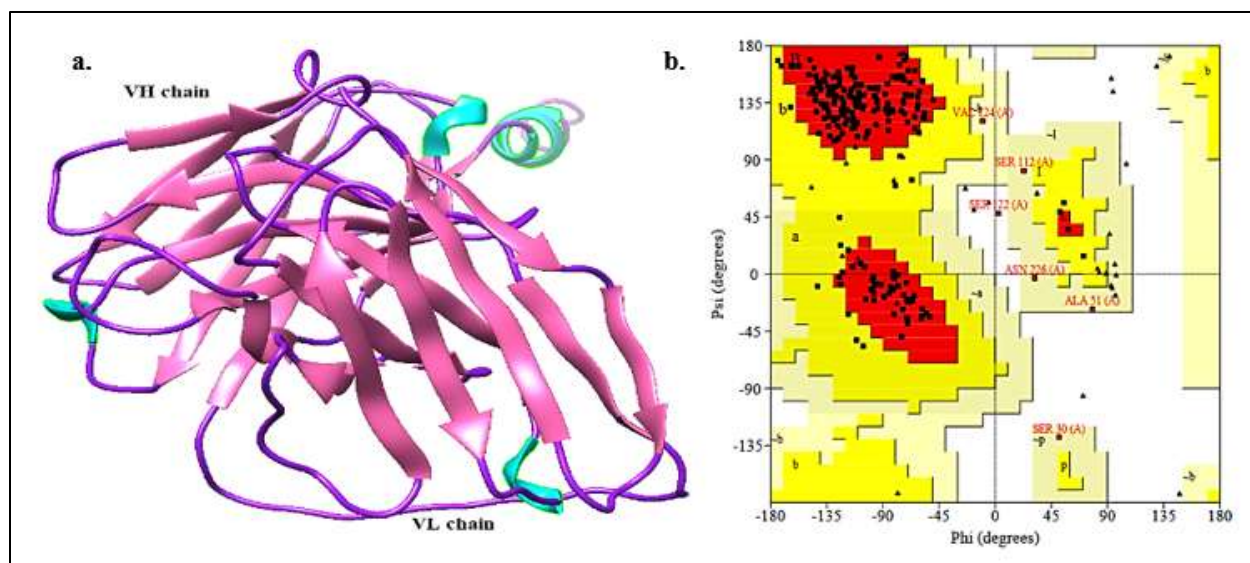


Figure 1. Structural analysis of the anti-CD20 scFv. a. Cartoon representation illustrating the variable heavy (VH) and variable light (VL) chains
b. Ramachandran plot of the scFv model. Favored, allowed, and disallowed regions are shown in red, yellow, and white respectively

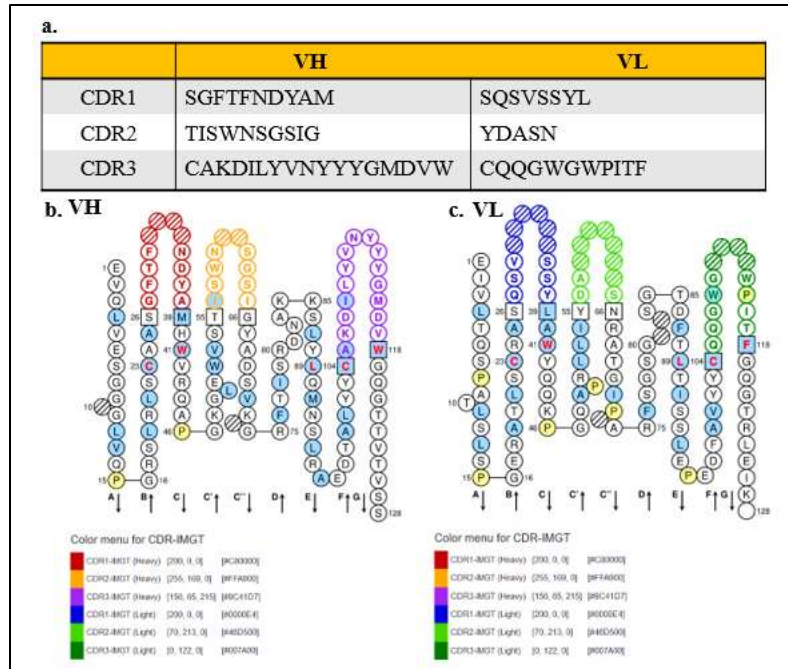


Figure 2. CDR annotation of the anti-CD20 scFv using the IMGT/V-Quest database



Figure 3. 3D visualization of the docking complex between scFv and Fe₃O₄

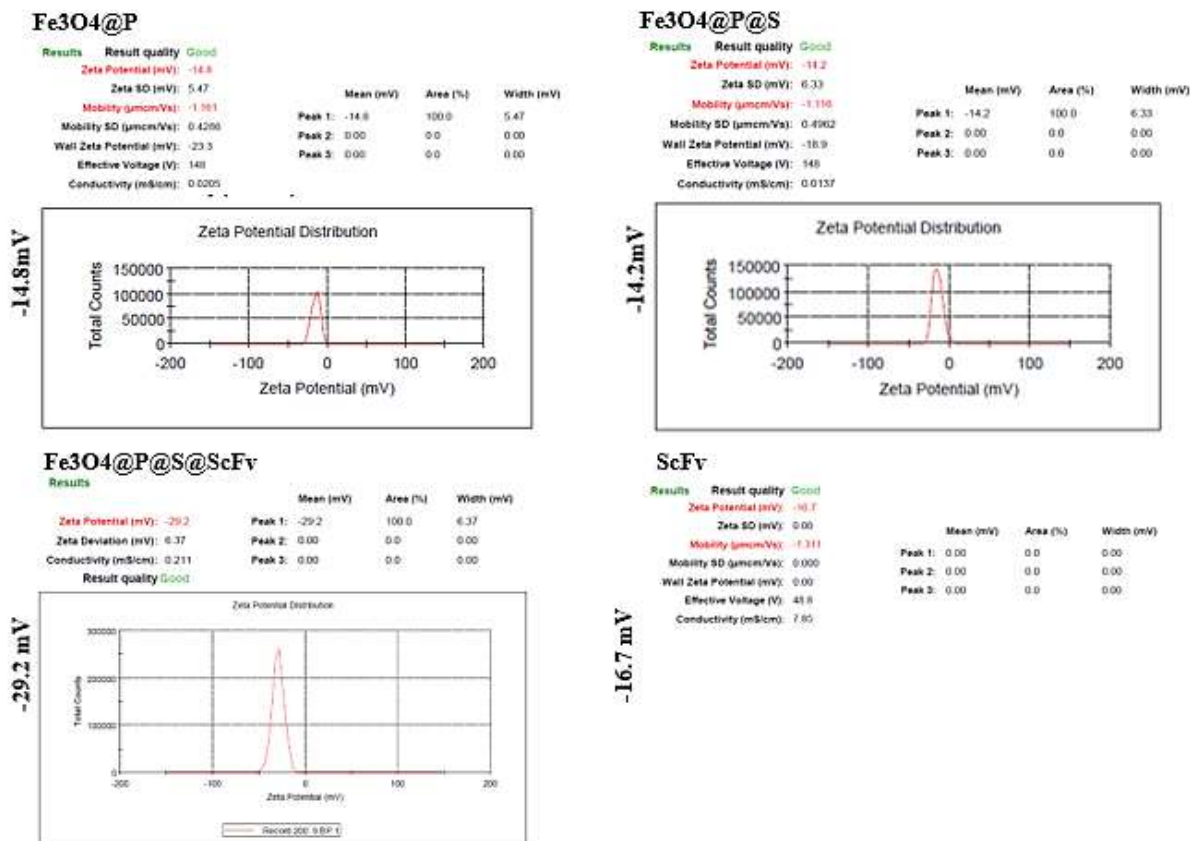


Figure 4. The zeta potential results for Fe₃O₄@P, Fe₃O₄@P@S, and Fe₃O₄@P@S@scFv were -14.8 mV, -14.2 mV, and -29.2 mV, respectively. The scFv is -16.7 mV