



**Supplemental Figure 1 Gating scheme for (A) COOH and (B) SA microspheres.** Carboxyl (COOH) and Streptavidin (SA) microspheres were loaded with recombinant receptor binding domain (RBD) protein and then stained with RBD-specific monoclonal antibody (mAb) labeled with the fluorochrome Alexa Fluor 647 to evaluate loading efficiency. Flow cytometry was performed with visible light was used to gate on singlets (SSC-H x FSC-H), as shown in dot plots (on left). Histograms were generated by plotting the singlet count (y axis) against fluorescence intensity (x axis).