



Fig. S1. Inhibition ELISA results with various bacterial culture supernatants. Shown are Mabs bound to the LPS-coated ELISA plates (Y axis) in the presence of variably diluted bacterial culture supernatants (X axis). For each row of panels, the same set of bacterial culture supernatant is tested against different monoclonal antibodies. For each column of panels, the same monoclonal antibody (listed at the top of the column) was used for all 3 sets (A, B and C) of bacterial culture supernatant. Bacterial species are identified in the left panel for all the panels in that row and actual strain names are indicated in parenthesis. In panels A1, A2, and A3, bacterial culture supernatants include *S. dysenteriae* 1 (open circles), *S. dysenteriae* 2 (solid circles), *S. flexneri* 1a (open triangles), *S. flexneri* 1b (solid triangles), and two *S. flexneri* 2a strains (open squares and solid squares). In panels B1, B2, and B3, bacterial culture supernatants include *S. flexneri* 2b (open circles), two *S. flexneri* 3a (solid circles and open triangles), two *S. flexneri* IV (solid triangles and open squares), and *S. flexneri* 5a (solid squares). In panels C1, C2, and C3, bacterial culture supernatants include two *S. flexneri* 6 (open circles and solid circles), *S. boydii* 1 (open triangles), two *S. sonnei* I (solid triangles and open squares), two *S. sonnei* II (solid squares and crosses with dash line), and LB (Luria Bertani broth, crosses with solid line).