****

**Figure S1**. **Comparison of antibody and protein signal dependence of traditional and microfluidic protein immunoblotting.** Immunoblots from PBMCs were run and processed as described in the Materials and Methods section. Data are from three independent PBMC immunoblots (from the same sample) for RelA/p65 at four protein concentrations (5, 1, 0.5 and 0.1 µg) and three antibody dilutions. The normalized signal intensities represent measurements from 3 independent immunoblots. Under the conditions tested, the signal intensity was more dependent on protein concentration than on antibody concentration for both traditional and microfluidic protein immunoblotting.