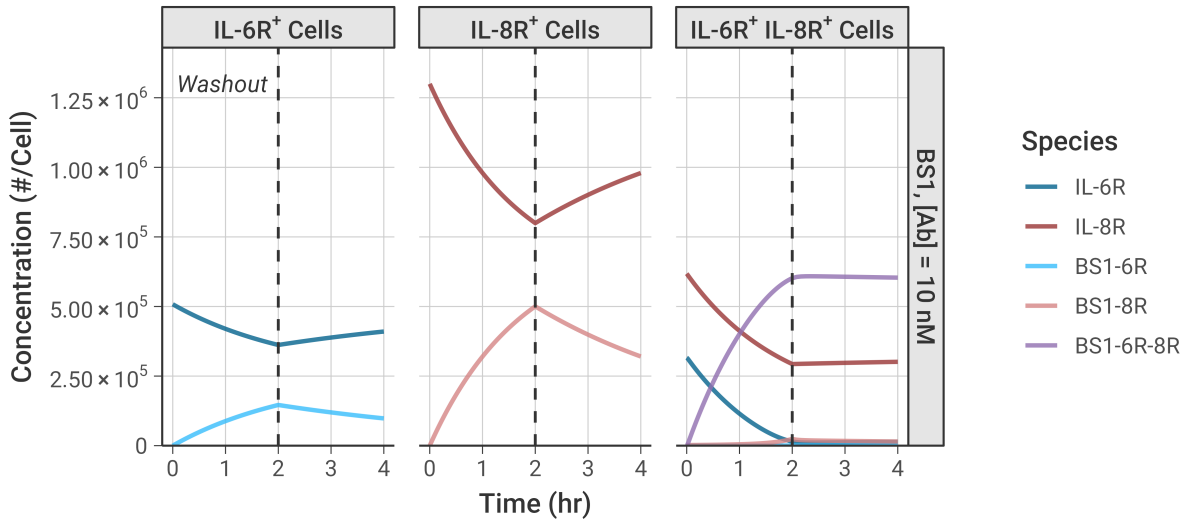
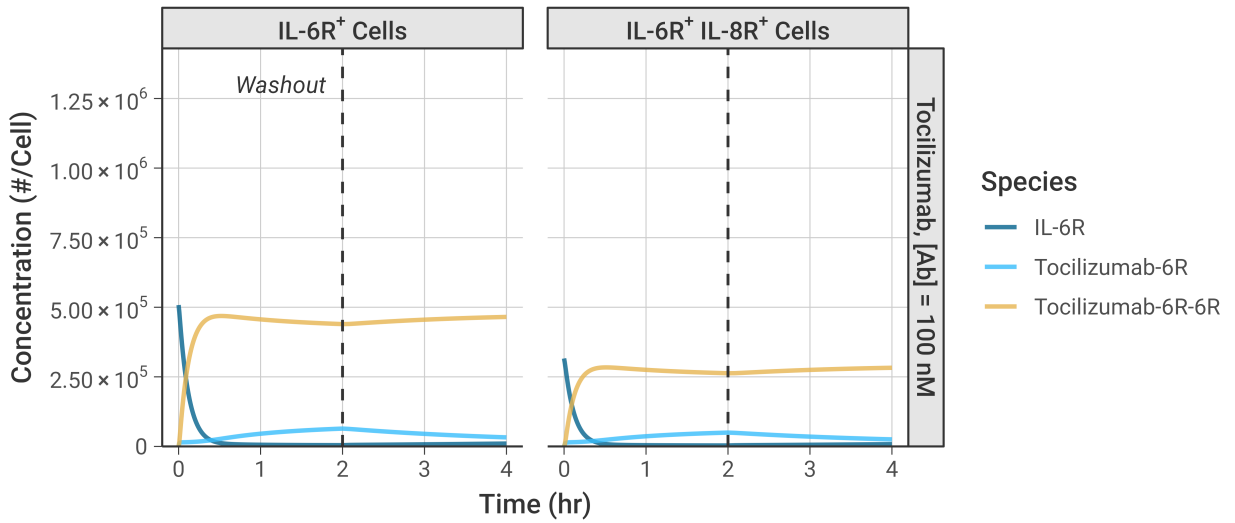


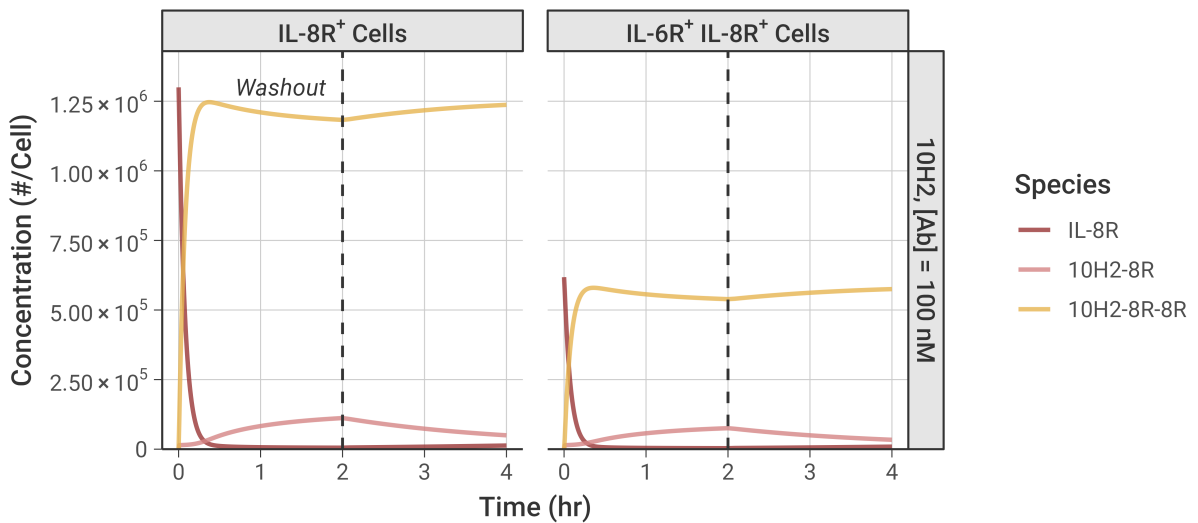
A



B



C



S8 Fig. Simulations quantify bivalent antibody binding to IL-6R and IL-8R over time. Cell number = 1×10^5 for all simulations. Free antibody concentration was set to 0 nM at 2 hours to simulate antibody washout from the system. The expressions of IL-6R and IL-8R from the transduced experimental cell lines were used in the simulations [Table 1]. **A**, Simulations with an initial BS1 concentration of 10 nM, compared to the simulations with 100 nM of BS1 shown in the main text [Fig 4]. **B**, Simulations of tocilizumab at an initial concentration of 100 nM in the IL-6R⁺ cell lines. **C**, Simulations of 10H2 at an initial concentration of 100 nM in the IL-8R⁺ cell lines.