

Application Note

A-19

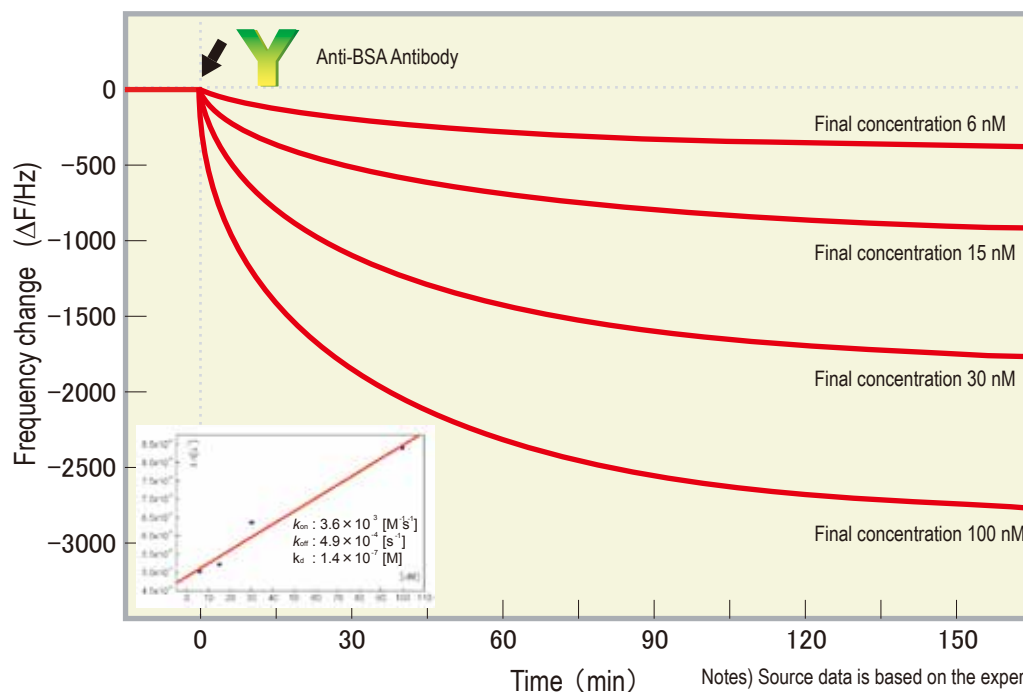
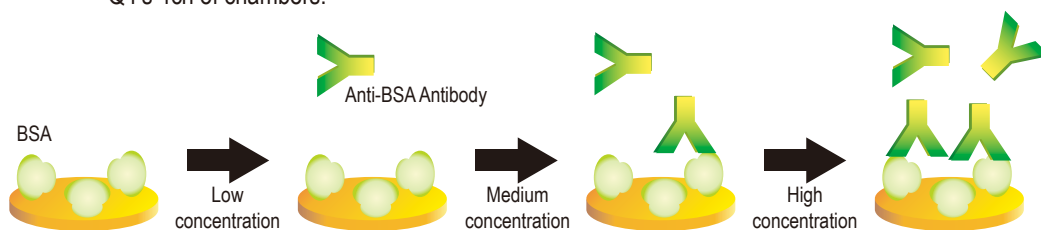
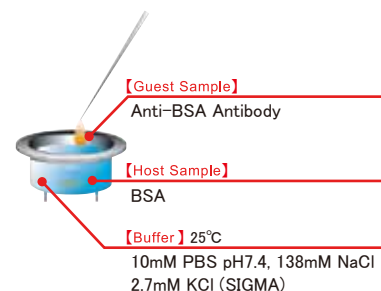
Kinetic analysis of Antigen-Antibody reaction

Materials

1. Bovine Serum Albumin (BSA)
2. Anti-BSA Antibody

Results

1. k_{on} was calculated from measurements with varying concentrations of sample.
2. Equilibrium constant was calculated by the ratio of k_{on} and k_{off} .
3. These results were simultaneously given by AFFINIX Q4's 4ch of chambers.



Applications

1. Equilibrium and kinetic analysis of interactions of biomolecules such as proteins, DNA and carbohydrates.
2. Optimization and comparison of measurement conditions.
3. Antibody screening.