

# Application Note

## A-18

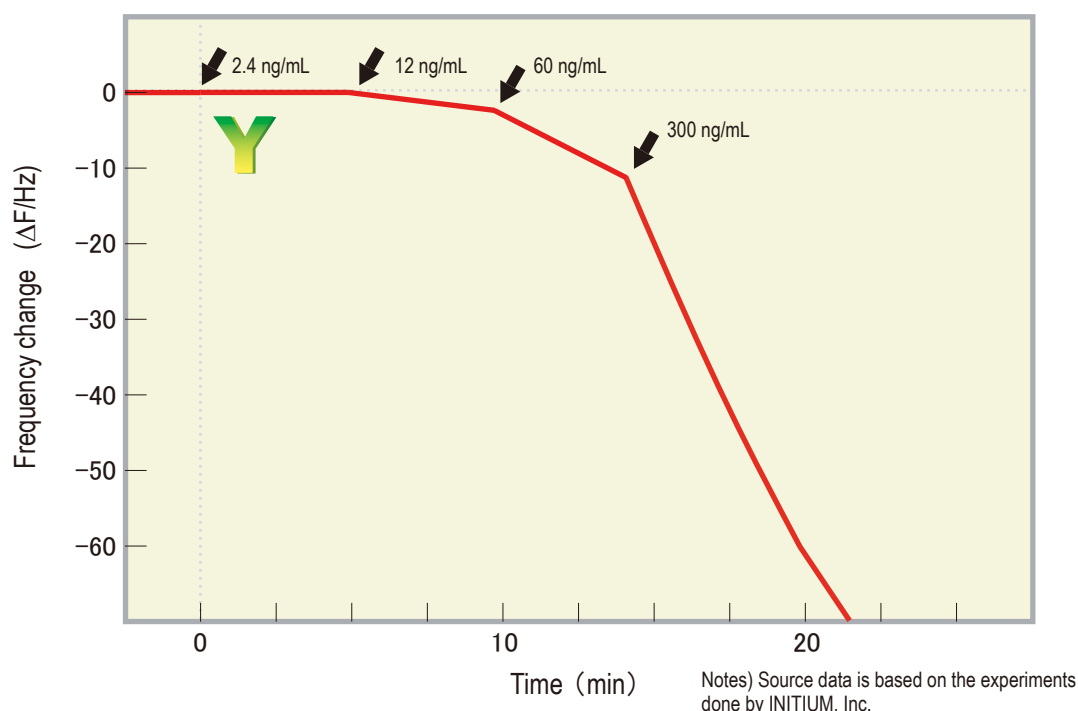
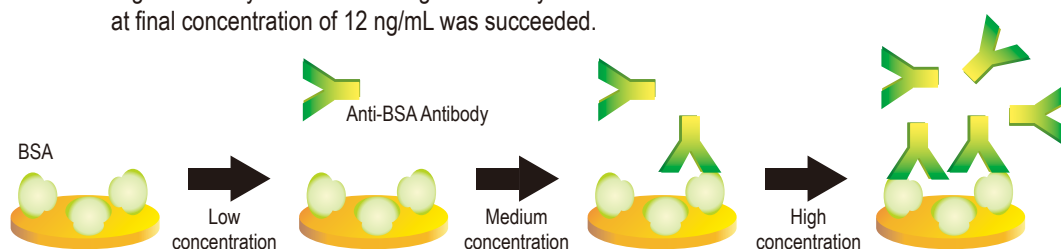
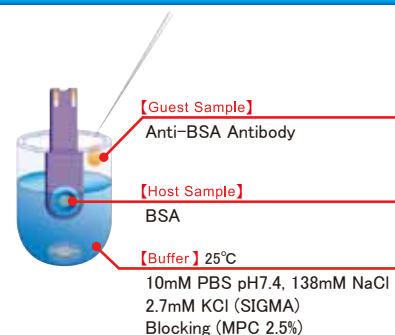
### Measurement sensitivity of Antigen-Antibody reaction

#### Materials

1. Bovine Serum Albumin (BSA)
2. Anti-BSA Antibody
3. MPC Blocking reagent (INITIUM, Inc.)

#### Results

1. Real-time monitoring of Antigen-Antibody reaction was observed.
2. Concentration-dependent Antigen-Antibody reaction was observed.
3. High sensitivity detection of Antigen-Antibody reaction at final concentration of 12 ng/mL was succeeded.



#### Applications

1. General research in label-free detection of immune reaction with high sensitivity.
2. Development and evaluation of monoclonal antibody drugs.
3. Evaluation of activity and specificity of newly created antibody and aged antibody.