

# Application Note

## A-10

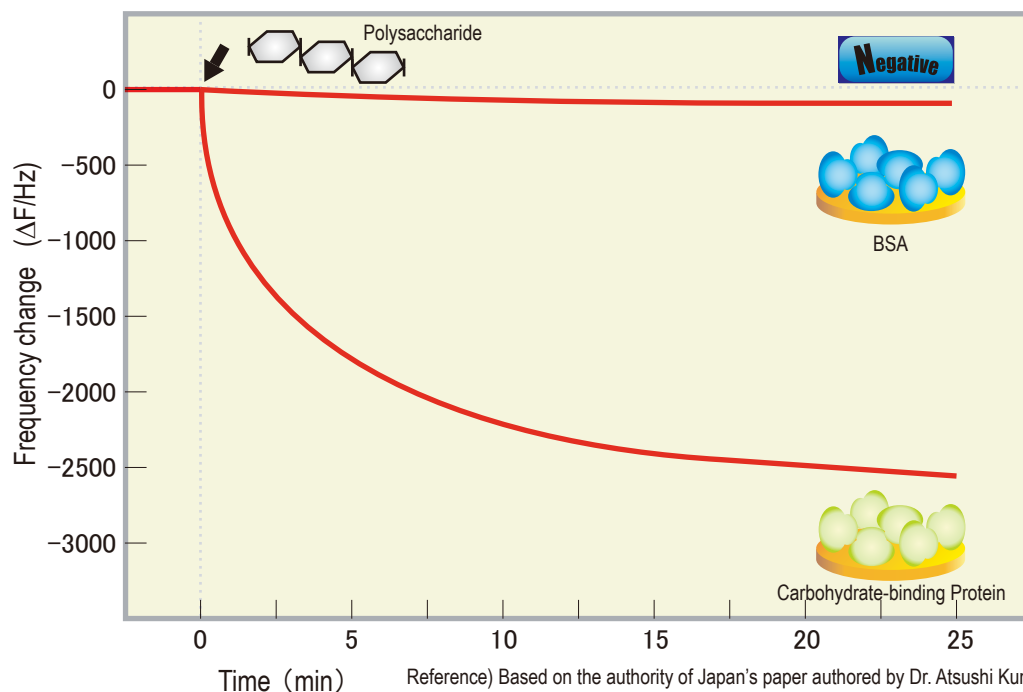
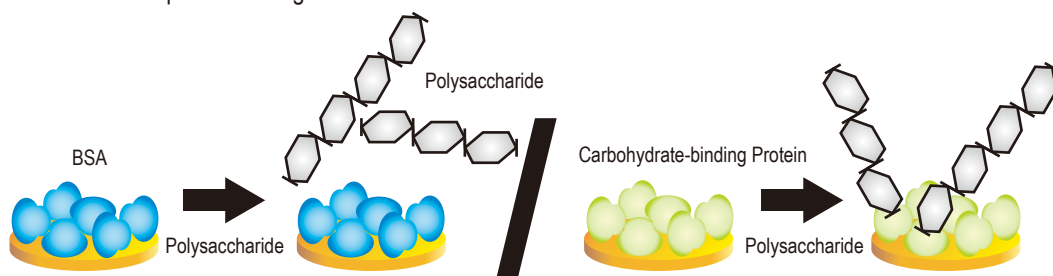
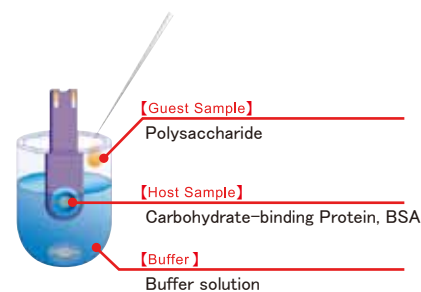
### Binding of Protein to Polysaccharide

#### Materials

1. Carbohydrate-binding protein
2. Bovine Serum Albumin (BSA)
3. Polysaccharide

#### Results

1. Binding between polysaccharide and carbohydrate-binding protein was observed.
2. Non-specific binding on BSA was not observed.



Reference) Based on the authority of Japan's paper authored by Dr. Atsushi Kuno of the science and technology department of Yamagata University. \**Jikken Igaku*, 20, 12, 1808-1809 (2002)

#### Applications

1. Screening of Soluble carbohydrate ligand to functionally unknown Carbohydrate-binding protein (Lectin).
2. Affinity analysis of each binding pocket to ligand.
3. Evaluation and classification of interactions between protein and polysaccharide.