

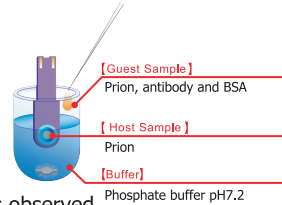
A-04

Source: Jikken Igaku 20, 15, 2266-2267 (2002)
Dr. Katsumi Doura, Medical Department of Kyushu University

Self-aggregation of Prion Protein

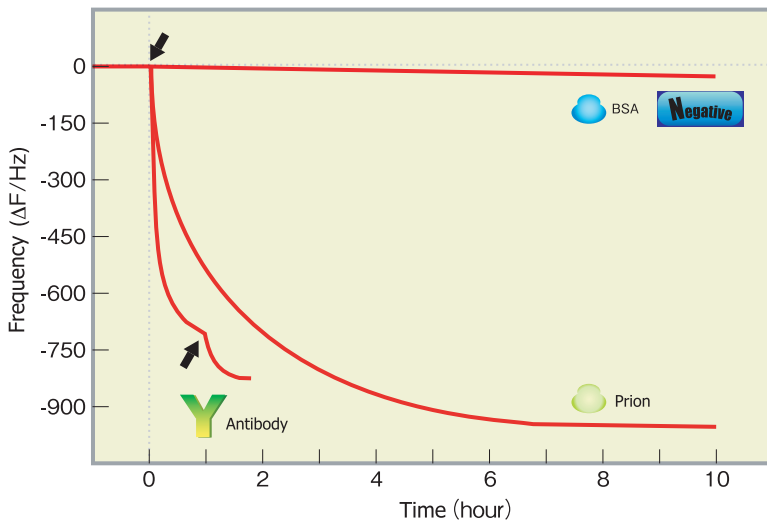
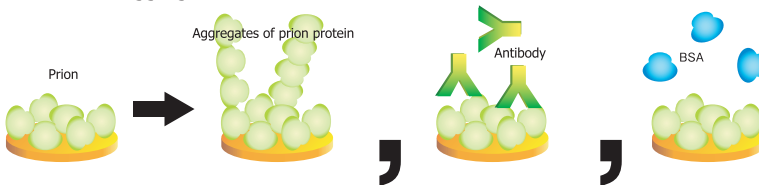
Materials

1. Recombinant prion protein (prion)
2. Anti prion protein antibody (antibody)
3. Bovine serum albumin (BSA)



Results

1. Self-aggregation reaction of prion protein was observed
2. Specific binding between prion protein and antibody was observed
3. Self-aggregation reaction with BSA was not observed



Application

1. Rapid mechanism analysis of prion diseases such as mad cow disease and Creutzfeldt-Jakob disease
2. Analysis and detection of time-consuming molecular interactions
3. Evaluation and mechanism analysis of anti aggregating effect on drugs and antibodies