

Supplementary Information

Polyallylamine binds to A β amyloid and inhibits antibody recognition

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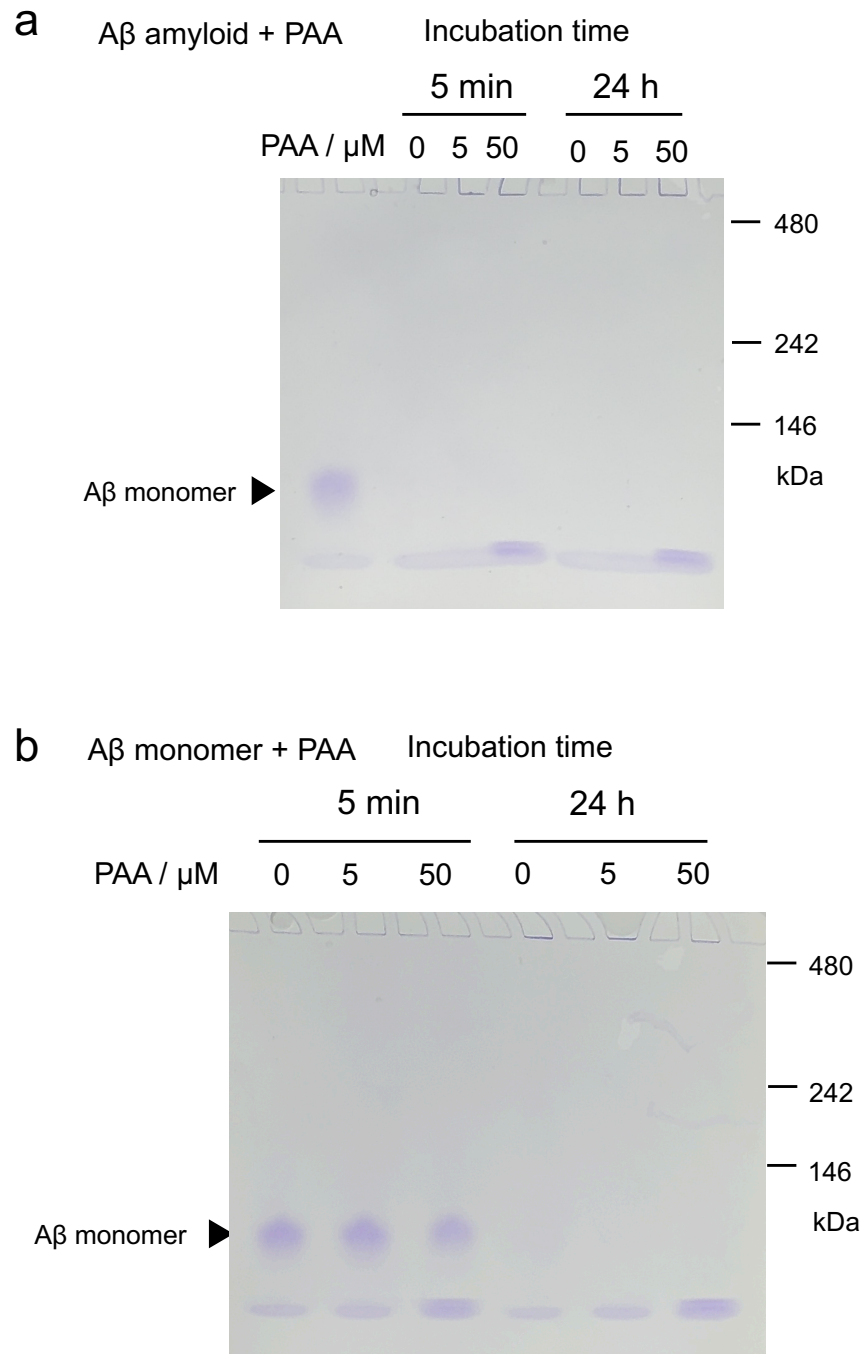


Figure S1. Native PAGE analysis of the A β samples incubated with PAA. **a)** Native PAGE analysis of A β amyloids incubated with PAA. The A β amyloids samples (25 μ M) were incubated in the absence or presence of 5 and 50 μ M PAA for 5 min, and the samples (13.5 μ L) mixed with a sample buffer were applied to an 8% native gel and run at a current of 20 mA. **b)** Native PAGE analysis of the A β monomer samples incubated with PAA. A β monomer samples (25 μ M) were incubated in the absence or presence of 5 and 50 μ M PAA for 24 h, and the samples (13.5 μ L) mixed with a sample buffer were applied to an 8% native gel. The A β monomer samples incubated with PAA for 5 min were shown as control samples. The proteins were stained by 0.1% (w/v) Coomassie Brilliant Blue (CBB) solution. The marker proteins are shown as molecular weight markers in kDa.

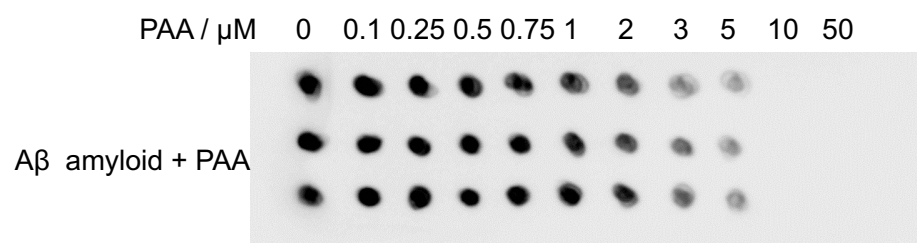


Figure S2. Dot blot assay of A β amyloid with or without PAA. Dot blot images of A β amyloid incubated with 0–50 μM PAA for 5 min using 6E10 antibody.

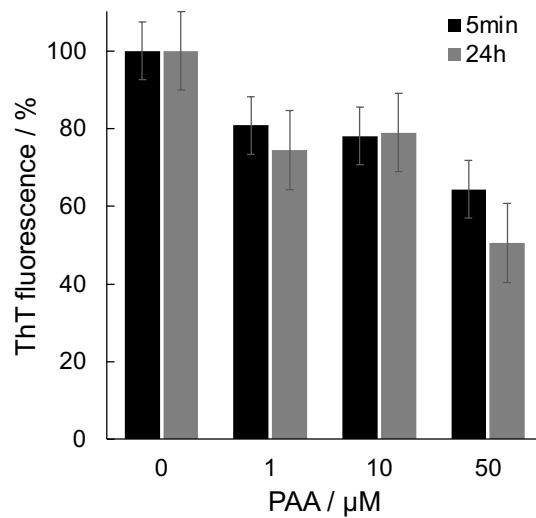


Figure S3. ThT assay of A β amyloid incubated with PAA for 5 min or 24 h. The A β amyloid samples (25 μM) were incubated with 0-50 μM PAA for 5 min or 24 h at room temperature before ThT assay. The fluorescent intensity of 2.5 μM A β amyloid samples including 20 μM ThT in the phosphate buffer was measured (excitation, 420 nm; emission, 490 nm) using a microplate reader. The average values of three wells were calculated. The intensity of the samples without PAA was normalized as 100%.