

Expanded View Figures

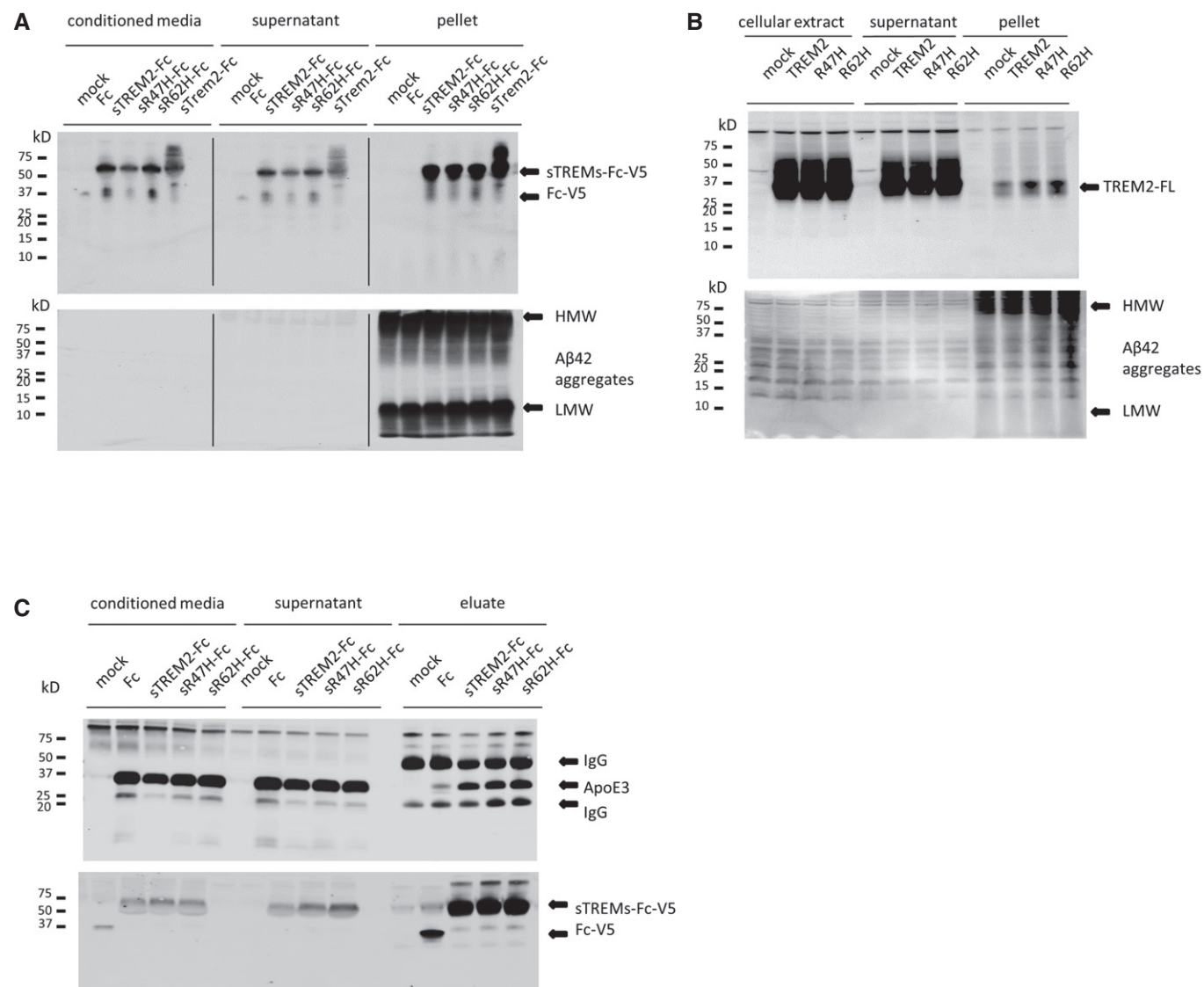


Figure EV1. Original uncropped images of the Western blots in Fig 1 showing the supernatant fractions.

- A Original Western blot from Fig 1A.
 B Original Western blot from Fig 1B.
 C Original Western blot from Fig 1C.

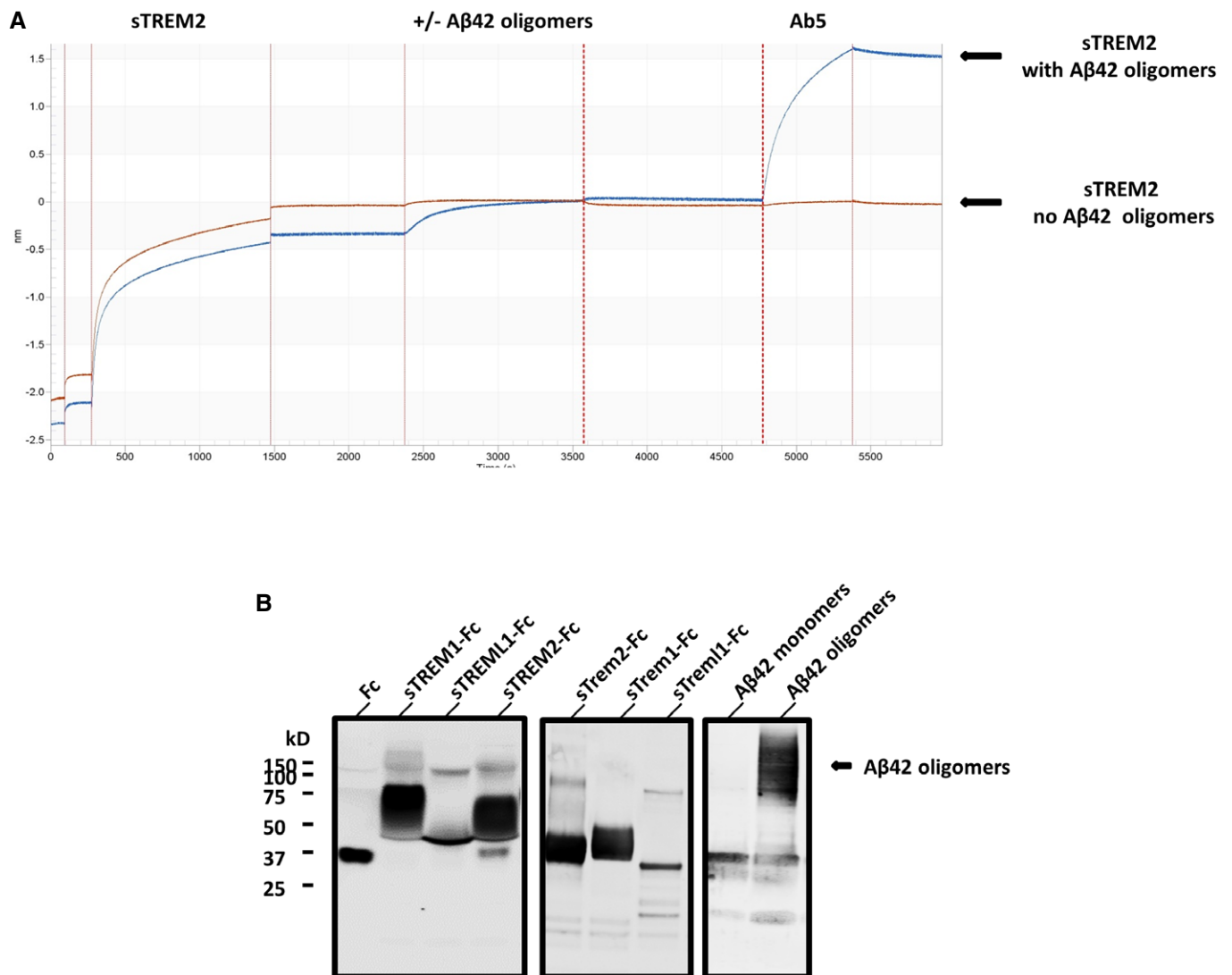


Figure EV2. Complementary experiments for the BioLayer Interferometry results in Fig 2.

A Schematic representation an A β antibody association on soluble TREM2-Fc pre-incubated with A β 42 oligomers.

B Western blot analysis of purified soluble TREM-Fc and soluble trem2-Fc family members and A β oligomers.

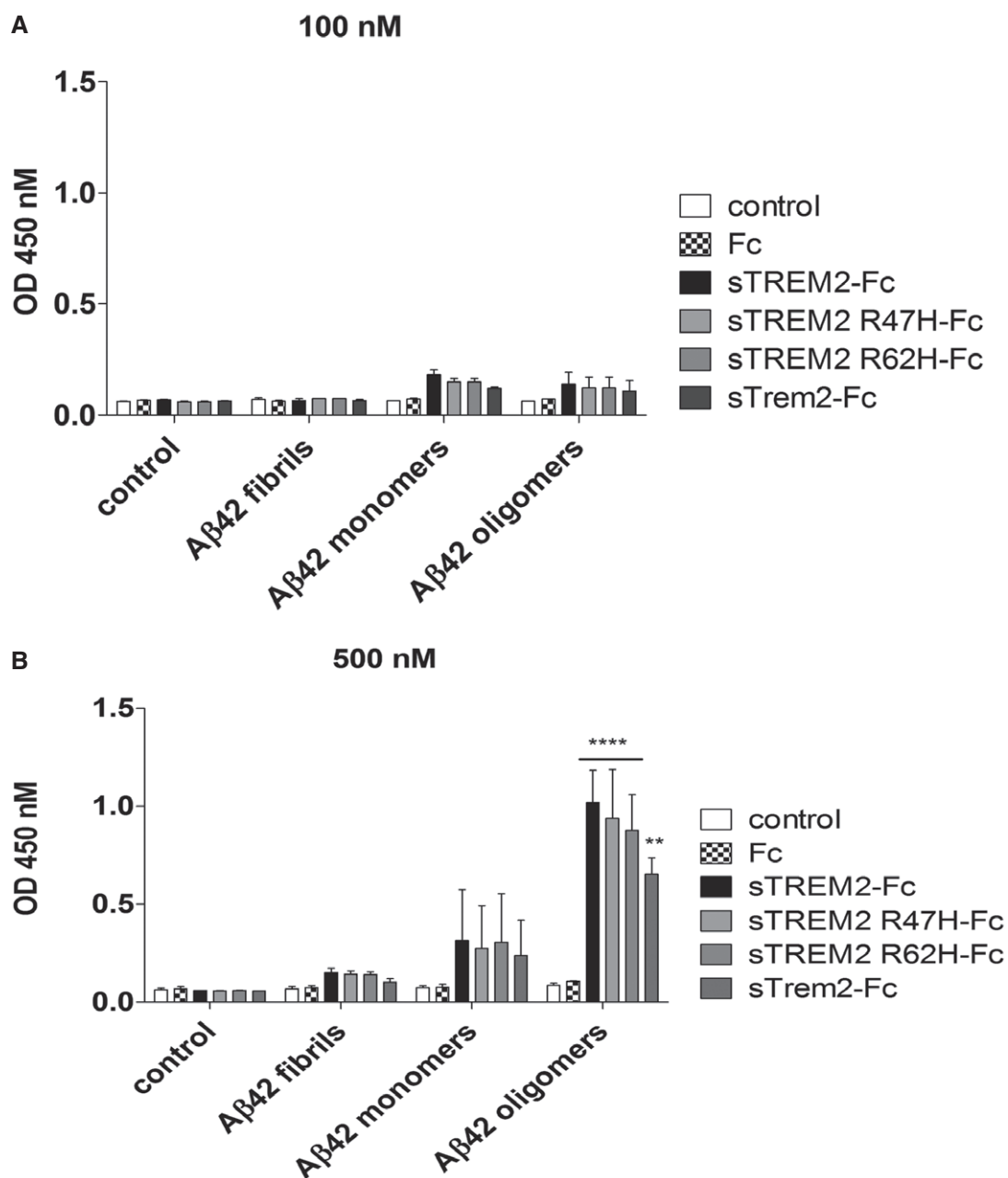


Figure EV3. Aβ42 fibrils failed to bind soluble TREM2-Fc measured by ELISA.

A, B ELISA plates coated with soluble TREM2-Fc and AD variants were incubated with various concentrations of Aβ42 aggregates or monomers or oligomers: (A) 100 nM and (B) 500 nM. Results were expressed as the OD450 averaged ± standard error ($n = 2$, $**P < 0.01$, $****P < 0.0001$, two-way ANOVA, Bonferroni multiple comparisons, compared to Fc, see Appendix Table S4 for exact P -values).