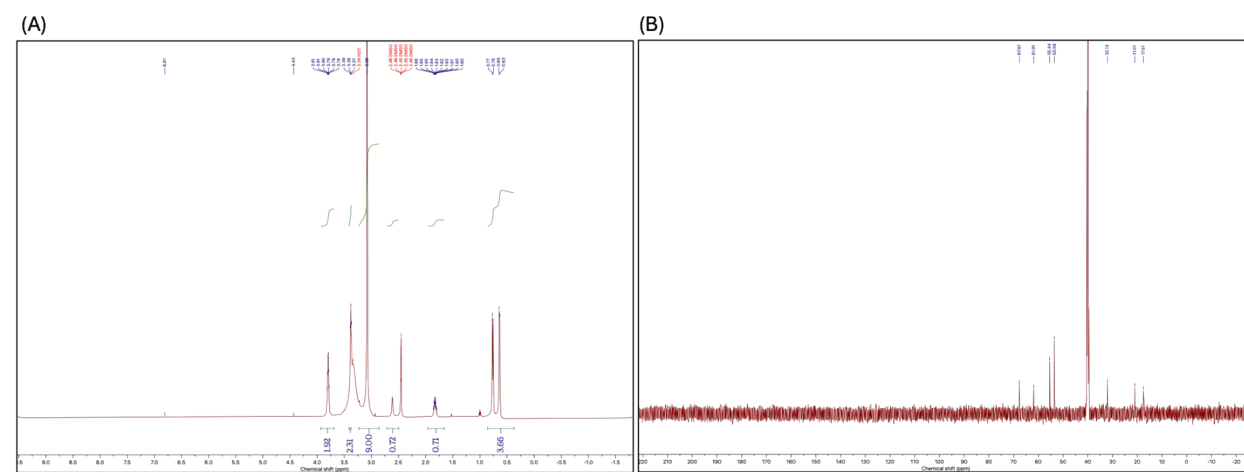


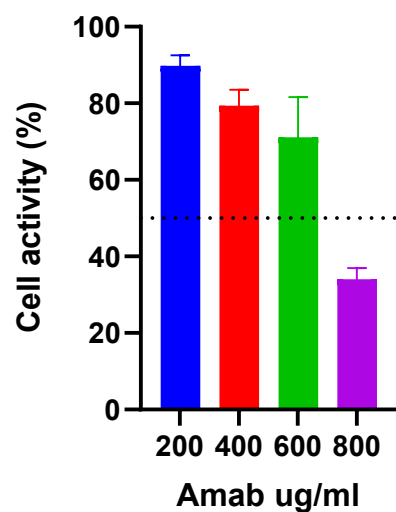
## Insights into the colloidal and structural stability of Atezolizumab with nonpolar amino acid-based ionic liquids under multiple stresses: Phase two

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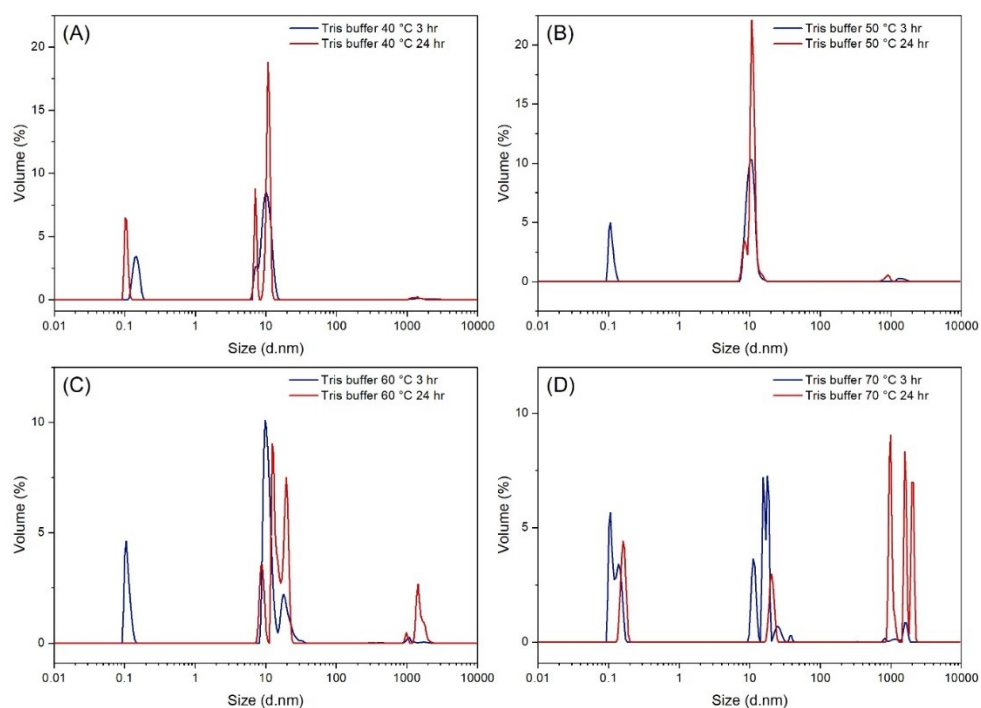
### Supplementary Figures



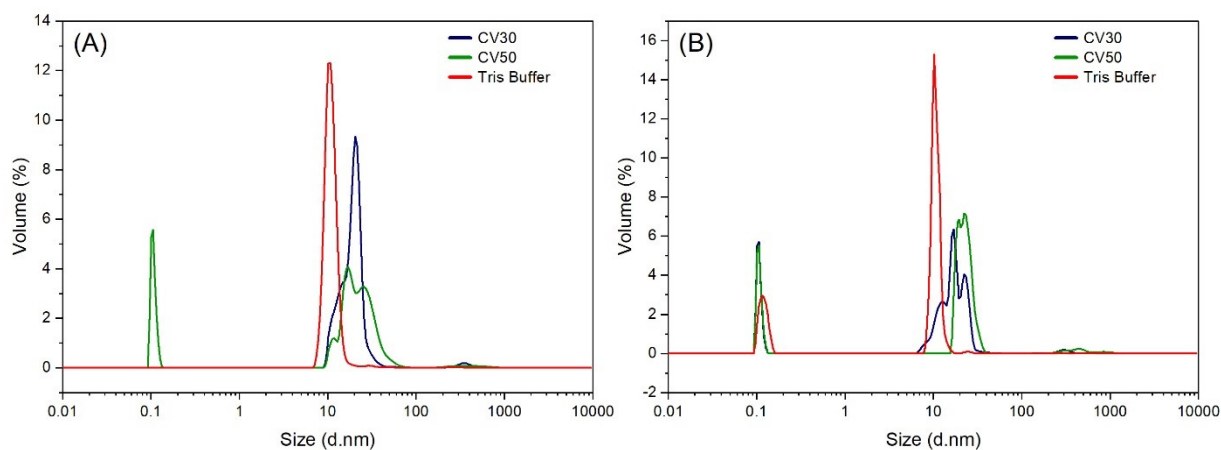
**Figure S1. NMR spectra of CV. A) <sup>1</sup>H NMR spectra, B- <sup>13</sup>C NMR spectrum.**



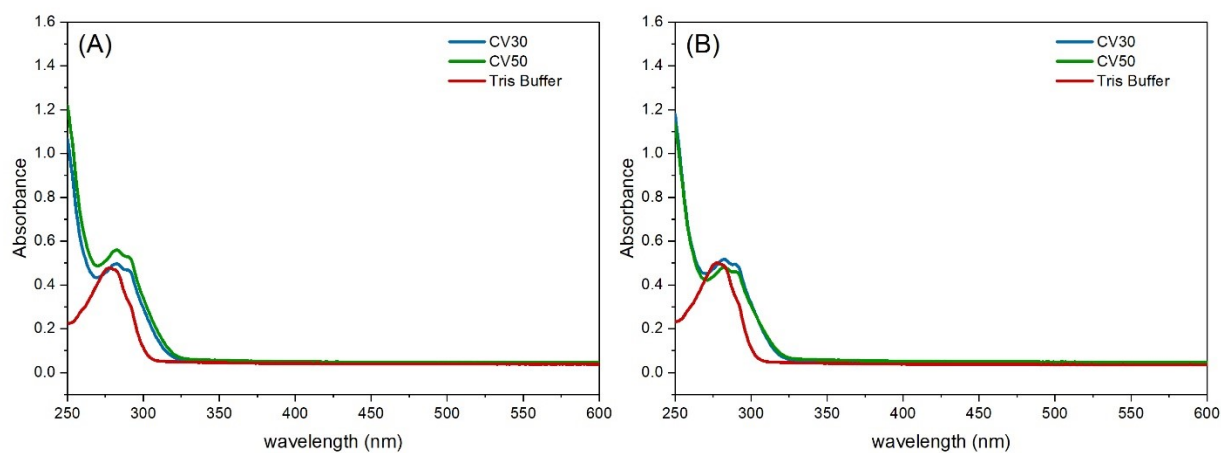
**Figure S2. Cytotoxicity assay (MTT) results using EMT6 cells. EMT6 cells were incubated with Amab formulations (freshly prepared ) for 48 hr. Data represent the mean + SEM (n=4). The dotted line at 50% represents the IC<sub>50</sub>.**



**Figure S3. Amab particle size distribution incubated in Tris buffer after incubation for 24 hr at increasing temperatures ranging from 40°C to 70°C.**



**Figure S4. zeta size with urea (A) 3.5M urea (B) 7M urea**



**Figure S5. UV (A) 3.5M urea (B) 7M urea**