**Supporting Information** 

Synchronized Rayleigh and Raman scattering for the

characterization of single optically trapped extracellular

vesicles

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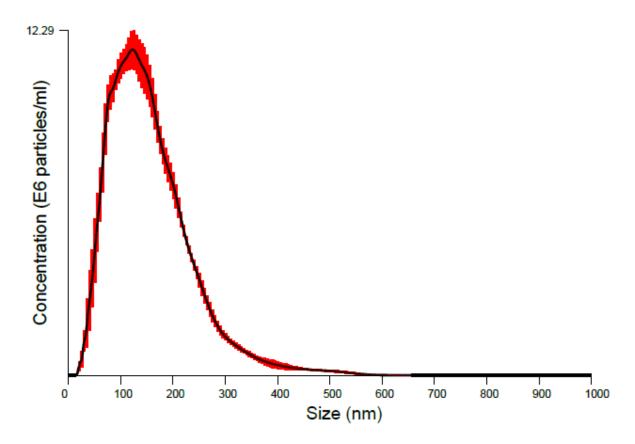
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**S1** 

**PC3-derived EVs.** EV size distribution was determined using nanoparticle tracking analysis (NanoSight NS500). An EV concentration of 1.9x109 particles/mL with a mean diameter (+/-standard deviation) of 157 (+/- 79) nm was found (Figure S1).



**Figure S1**. Characterization of PC3-derived EVs by Nanoparticle Tracking Analysis. Black line indicates the average size distribution and red error bars indicate the standard error of the mean. Measurements were done in an undiluted sample with a sCMOS camera; shutter, 8.9 ms; gain, 250; threshold, 6). Five videos of 60 s were captured at 22.0 °C and analyzed by NTA v2.3 (NanoSight), assuming a medium viscosity of 0.95 cP.