

Supporting Material for Kayser *et al.*

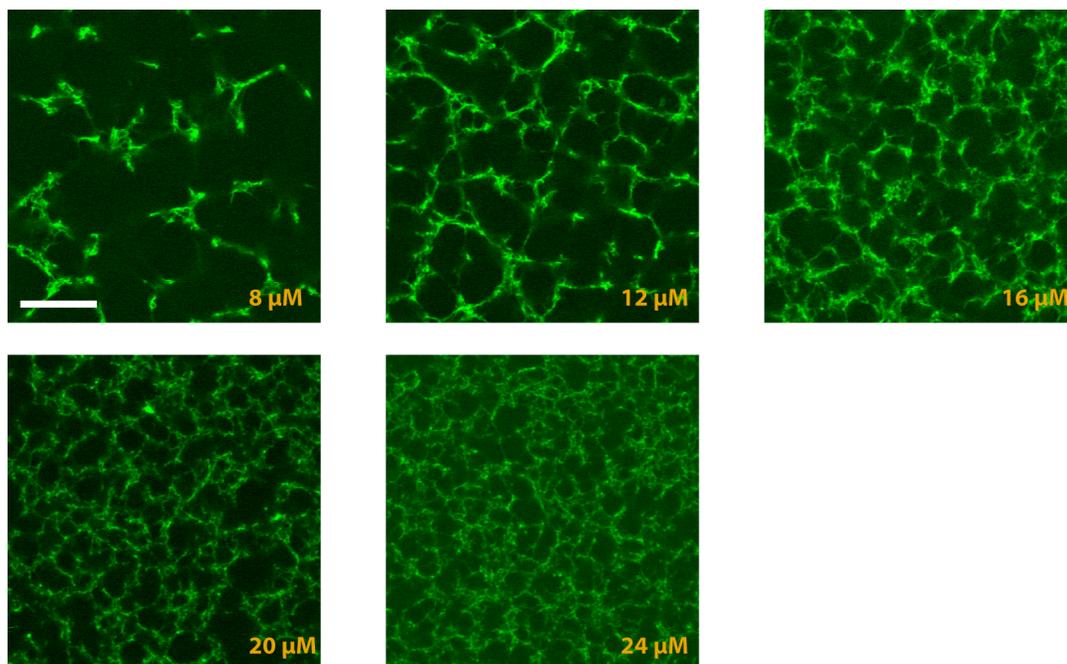


Fig. S1: The mesoscopic and microscopic structure of the network depends on the protein concentration. Images are confocal micrographs. The protein concentrations are denoted in the figure. The scale bar is 10 μm. The corresponding quantification is shown in Fig. 3e.

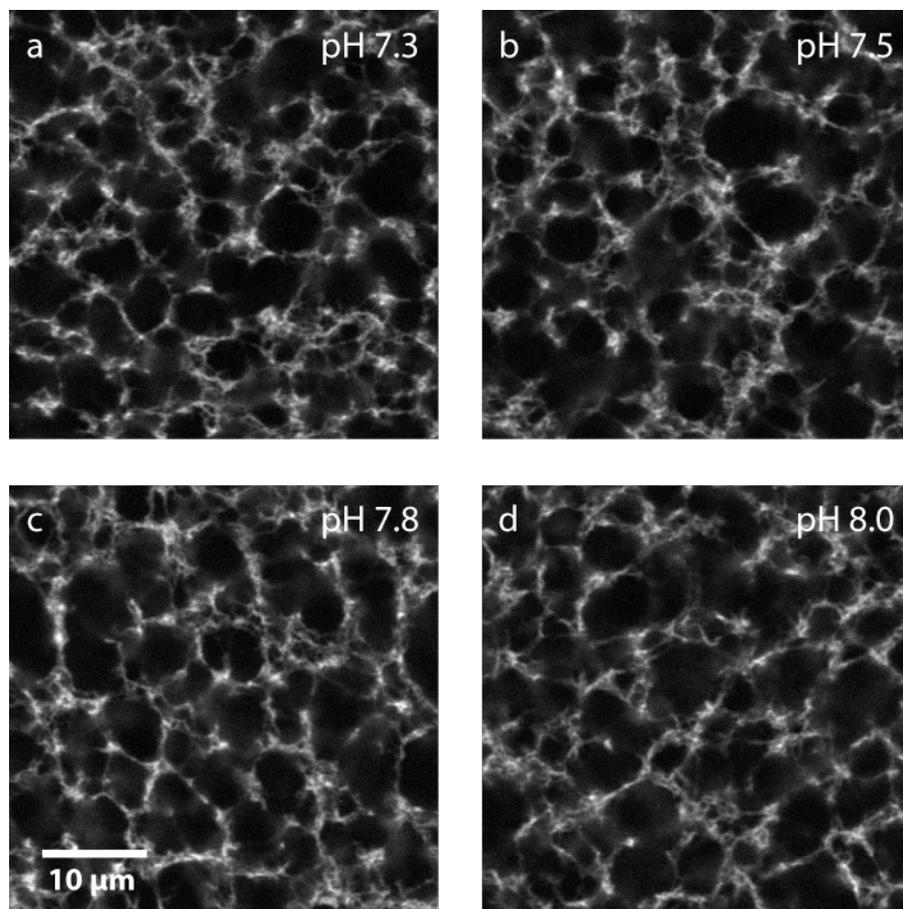


Fig. S2: pH has no effect on network structure. The confocal micrographs show networks assembled at a protein concentration of $c_K = 12 \mu\text{M}$. The final pH was measured independently in conditions equal to that of the sample (without the protein), as denoted in the figure.

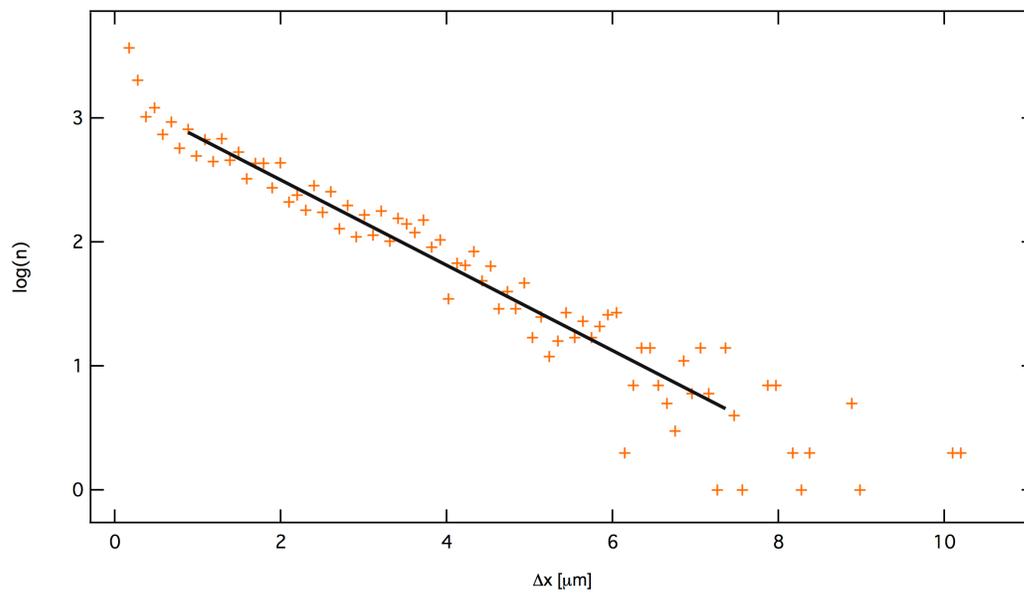


Fig. S3: The network morphology is quantified by evaluating the distribution of distances between neighboring structures. As shown in the depicted example, the histograms of distances Δx exhibit an exponential decay (orange crosses: data, black line: fit to the data). The negative inverse slope of the fit gives the characteristic mesh size ξ .