



Figure S3. Evaluation of the inflammatory state and health of human aortic endothelial cells in contact with tumor necrosis factor alpha or glutaraldehyde-fixed leaflets. Expression of the pro-inflammatory markers ICAM-1 (**A**) and VCAM-1 (**B**) and the synthesis of von Willebrand Factor vWF (**C**) in human aortic endothelial cell (HAEC) in the presence or the absence of tumor necrosis factor α (TNF- α , 10 ng/mL) as positive control or seeded on glutaraldehyde-fixed and reduced pericardium (GAPH) alone or with CS hydrogel (GAPHCS) for 7 days of incubation. Histograms are plotted as mean \pm SEM. * $p < 0.05$, ** $p < 0.01$.