



S2 Fig. Results of population purity by flow cytometry analysis for a given isolation. (a) Percentage of the total number of cells in culture positive for (i) blue: platelet endothelial cell adhesion molecule 1 (PECAM-1 – ECs culture at P1), (ii) red: platelet-derived growth factor receptor (PDGFR-β – PCs culture at P3) and (iii) green: glial fibrillary acidic protein (GFAP) or double positive with glutamate aspartate transporter (GLAST-1) (ACs culture at P1), respectively. (b) Percentage of the total number of cells in culture positive for other lineage markers (i.e.: contaminant cells) in each isolation. (c) Percentage of PECAM-1 positive ECs cultured with either $4 \mu\text{g} \times \text{mL}^{-1}$ of puromycin or $10 \mu\text{g} \times \text{mL}^{-1}$ in the medium for the first two days. The results are represented as the mean values \pm standard deviations ($n \geq 5$). T-test : ** $0.001 \leq P\text{-value} \leq 0.01$.