

Supplementary information

Supranutritional selenomethionine but not selenite reduces malignant cell transformation

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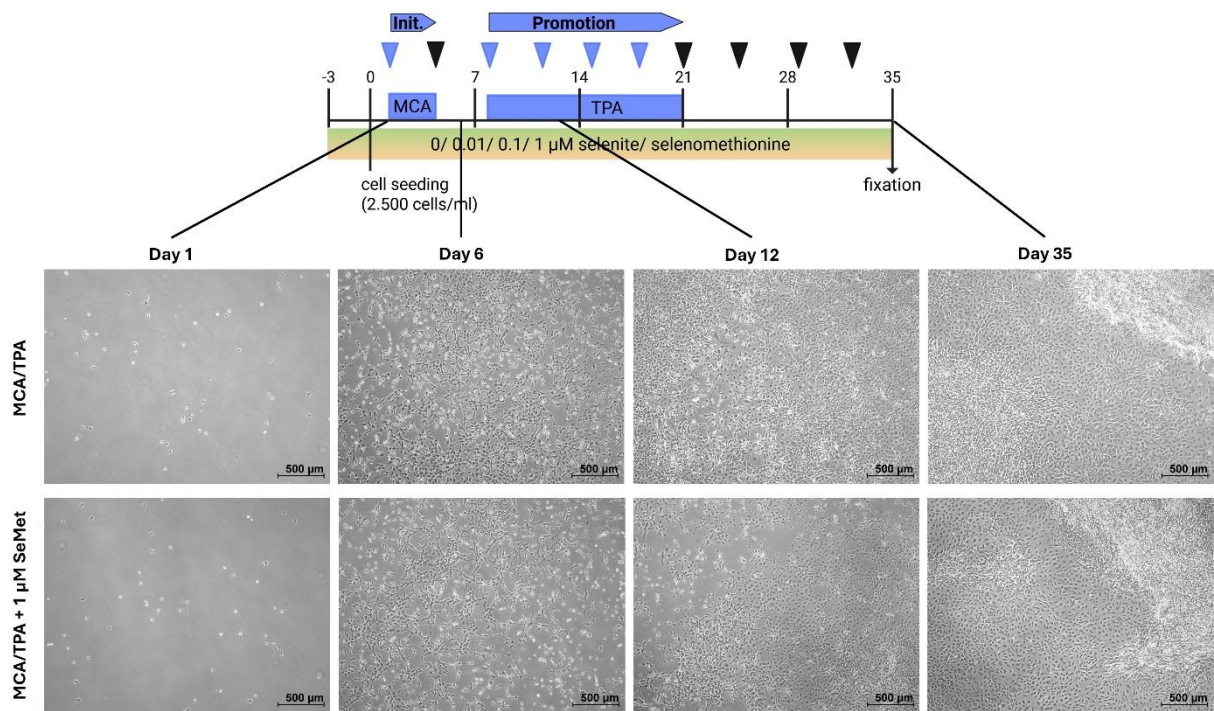


Figure S1: Representative pictures of the cell layers during the BALB-CTA. Microscopic images of the cell layer were taken at day 1, 6, 12, and 35 of the BALB-CTA. The scale bar corresponds to 500 μ m. Created in BioRender. Lossow, K. (2025) <https://BioRender.com/9tu7eu3>

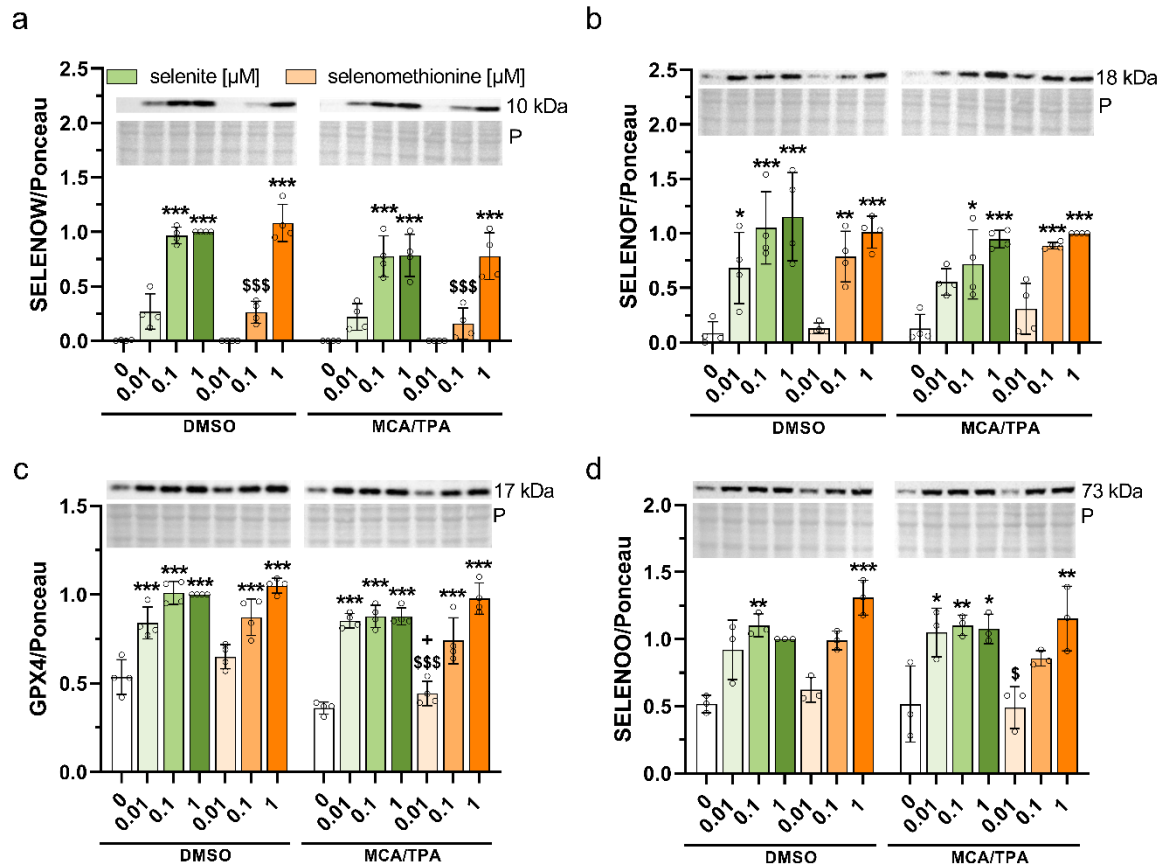


Figure S2: Protein expression of selenoproteins of BALB/c cells after chronic treatment with selenite or selenomethionine within the BALB-CTA. Cells were harvested after completed BALB-CTA and lysates were prepared for further analysis (a-d). Protein expression of the selenoproteins SELENOW (a), SELENOF (b), GPX4 (c), and SELENOO (d) was determined by Western Blot and normalized to ponceau staining. Results are presented as mean $\pm$ SD. Biological replicates are indicated by individual dots (n=4). Statistical analyses were based on three-way ANOVA with Bonferroni's post-test. ***p < 0.001 vs. 0 μ M; \$p < 0.05; \$\$p < 0.01; \$\$\$p < 0.001 vs. selenite; **p < 0.01, ***p < 0.001 vs. DMSO.