

Cytoprotective Activity of Polyamines is Associated with the Alternative Splicing of RAD51A Pre-mRNA in Normal Human CD4⁺ T Lymphocytes

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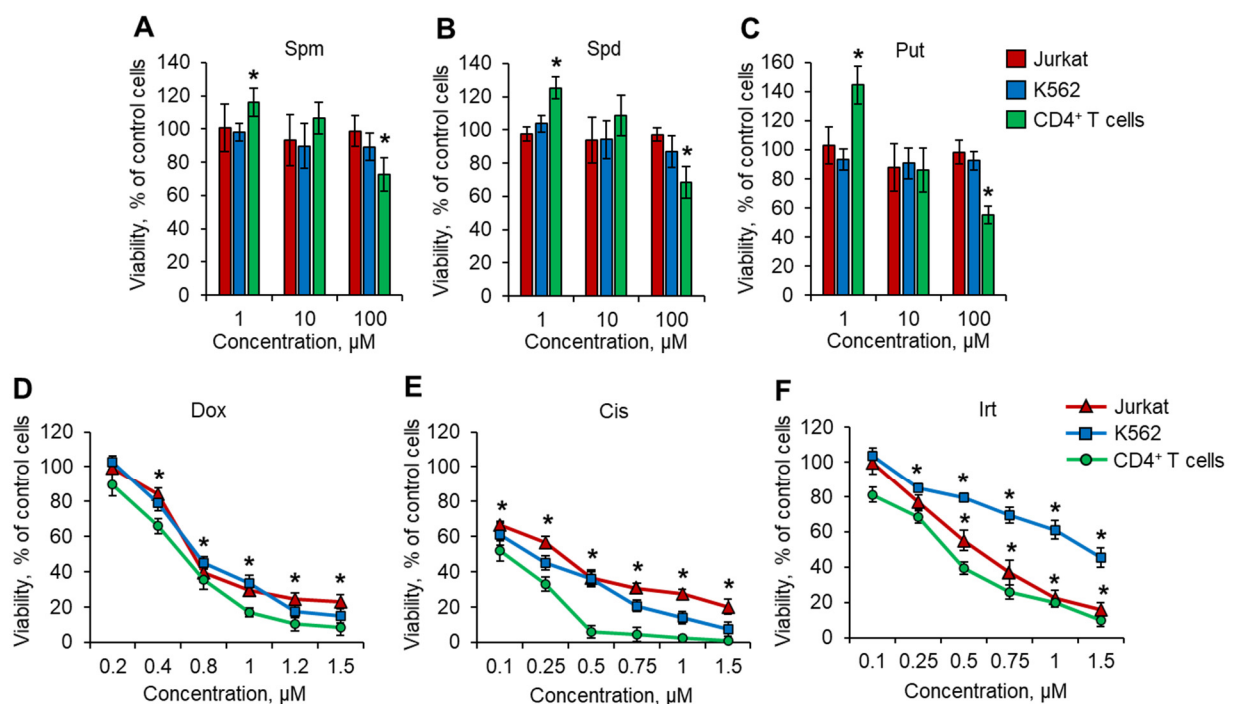


Figure S1. Results of the MTT test for cancer Jurkat and K562 cells and normal human CD4⁺ T lymphocytes incubated with different concentrations of (A) spermine (Spm), (B) spermidine (Spd), (C) putrescine (Put), (D) doxorubicin (Dox), (E) cisplatin (Cis), or (F) irinotecan (Irt) for 48 h. N = 8. * p ≤ 0.05 vs. control nontreated cells.

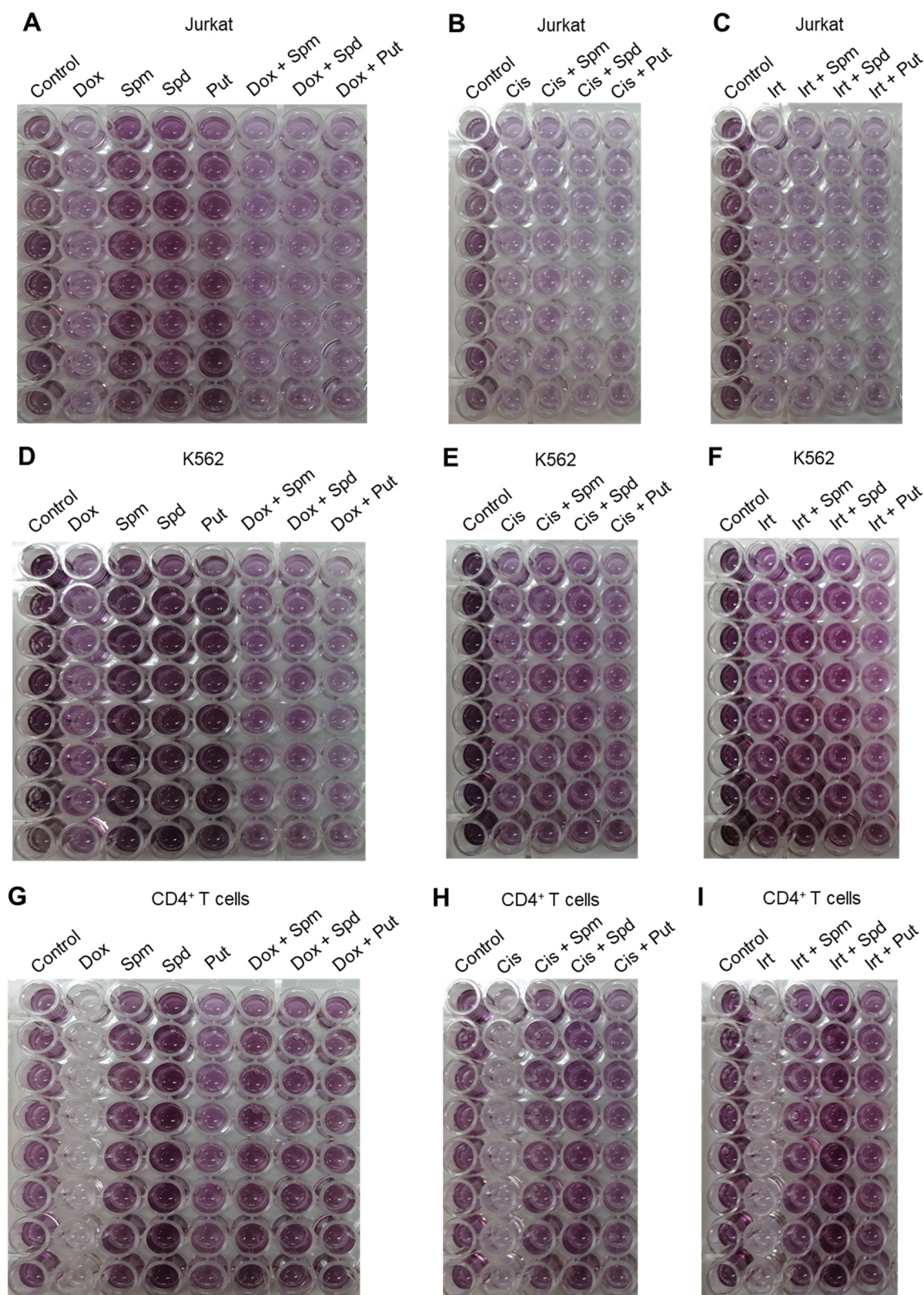


Figure S2. Representative photos of the MTT test for cells incubated with 10 μ M of each PA for 72 h. The results of the MTT test for cancer (A – C) Jurkat, (D – E) K562 or (G – I) normal CD4⁺ T cells incubated with genotoxic agents: 1 μ M doxorubicin (Dox), 0.5 μ M cisplatin (Cis) or 1 μ M irinotecan (Irt) in the presence of 10 μ M or in the absence of each PA. Spd, spermidine; Spm, spermine; Put, putrescine.

Table S1. List of primers used for real-time RT-PCR.

Target	Sense 5' – 3'	Antisense 5' – 3'	Product size, bp.	Tann, °C
RAD51A Total	ggggcaagcgagtagagaag	gctgcatctgcattgccatt	151	60
FL RAD51A	ctacttcaaggtggaattgag	ctgctacaccaaactcatcagc	454	57
RAD51A Δ 4	gataaaattctggtggaattgag	ctgctacaccaaactcatcagc	456	58
RAD51A Δ 9	gccatgatggtagaatctag	ctcagatacaatctcatcagc	162	60
RAD51B	gtgtggcttgtggatccctc	ctgggaaaacgggattctgc	196	61
RAD51C	cgctgtcgtgactacacaga	ggctgatcattgctgggct	181	61
RAD51D	tccagatgctggatgtgctg	ctgctgacctccagaagtg	134	62
18S	ggatccattggagggcaagt	acgagcttttaactgcagcaa	91	62