

P-MAPA and interleukin-12 reduce cell migration/invasion and attenuate the toll-like receptor-mediated inflammatory response in ovarian cancer SKOV-3 cells

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Supplementary Figure. MTT assay was tested with different cell densities to find the most appropriate strategy for cell counting. SKOV-3 cells at density of 1×10^3 were representative to determine cell viability.

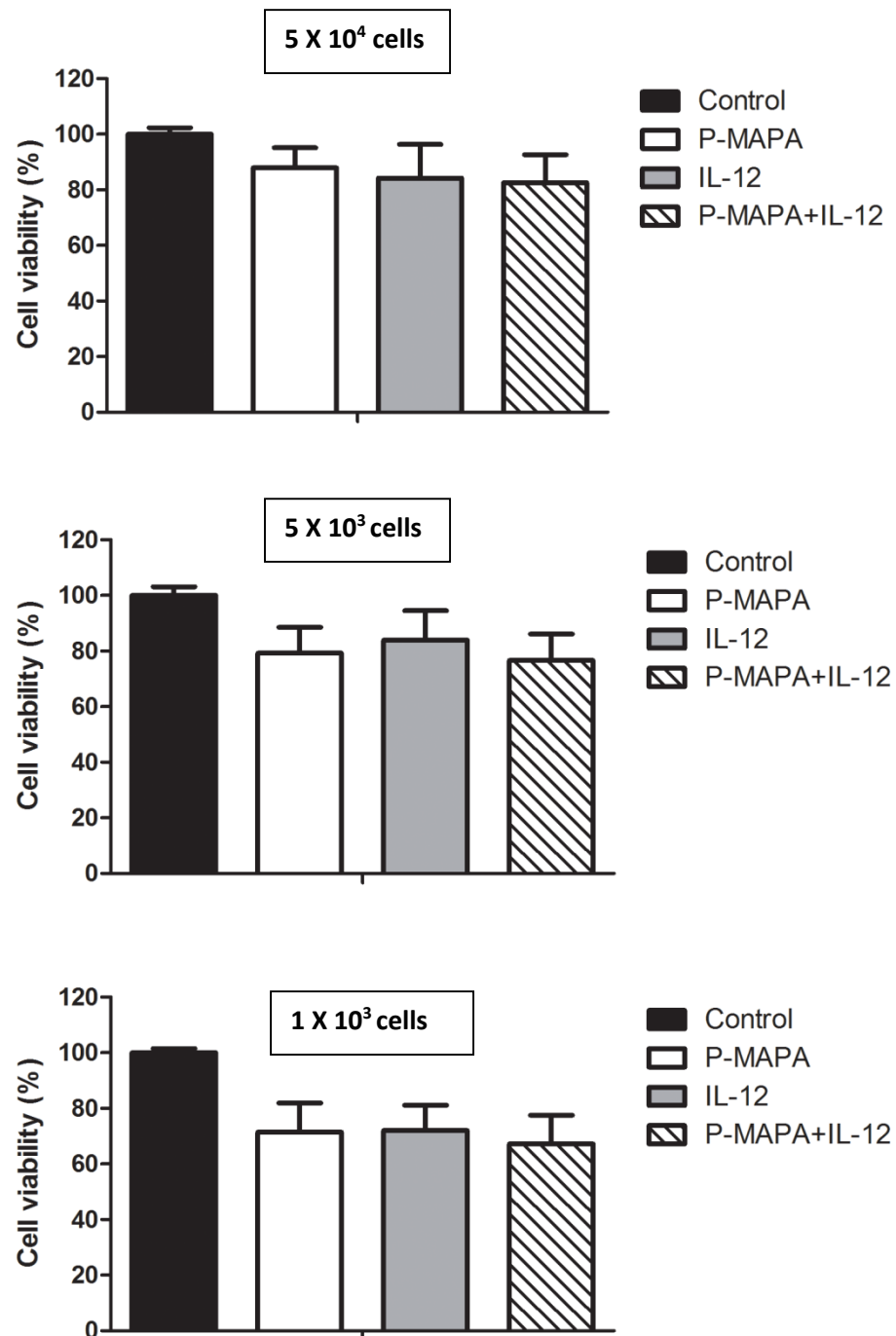


Table 1. Multiplex assay of the cytokines and chemokines (pg/mL) in the supernatant of cell culture.

<i>Supernatant samples</i>					
Analytes	Groups				
	<i>p</i>	Control	P-MAPA	IL-12	P-MAPA+IL-12
IL-1 β	0.57	0.95 $\pm$ 0.03	1.00 $\pm$ 0.04	0.99 $\pm$ 0.08	0.90 $\pm$ 0.05
IL-2	0.93	1.25 $\pm$ 0.11	1.27 $\pm$ 0.08	1.20 $\pm$ 0.02	1.24 $\pm$ 0.07
IL-4	0.09	11.12 $\pm$ 1.43	15.42 $\pm$ 3.20	11.34 $\pm$ 1.01	8.16 $\pm$ 1.23
IL-6	0.25	711.96 $\pm$ 21.78	742.56 $\pm$ 9.77	713.43 $\pm$ 21.70	773.01 $\pm$ 34.77
IL-7	0.07	7.63 $\pm$ 0.63	10.38 $\pm$ 1.20	8.02 $\pm$ 0.51	8.02 $\pm$ 0.51
IL-8	0.93	2425.17 $\pm$ 212.67	2564.33 $\pm$ 270.22	2476.67 $\pm$ 230.15	2613.50 $\pm$ 134.71
IL-13	0.42	5.56 $\pm$ 0.80	7.57 $\pm$ 1.74	5.13 $\pm$ 0.82	5.35 $\pm$ 0.90
IL-15	0.10	7.21 $\pm$ 0.29	7.10 $\pm$ 0.23	6.67 $\pm$ 0.18	7.71 $\pm$ 0.37
IL-17	0.29	1.13 $\pm$ 0.028	1.22 $\pm$ 0.04	1.16 $\pm$ 0.03	1.16 $\pm$ 0.04
IP-10	0.59	31.85 $\pm$ 0.61	32.03 $\pm$ 0.99	33.15 $\pm$ 0.73	32.72 $\pm$ 0.61
MCP-1	0.21	5.19 $\pm$ 0.76	4.23 $\pm$ 0.47	3.88 $\pm$ 0.17	3.94 $\pm$ 0.22
MIP-1 α	0.34	2.36 $\pm$ 0.06	2.46 $\pm$ 0.08	2.33 $\pm$ 0.04	2.33 $\pm$ 0.03
MIP-1 β	0.06	2.84 $\pm$ 0.10	3.31 $\pm$ 0.25	2.85 $\pm$ 0.14	2.72 $\pm$ 0.05

No significant values are presented for these analytes. The results are means $\pm$ SD of 3 biological replicates. *One-Way ANOVA*.

Table 2. Multiplex assay of the cytokines and chemokines (pg/mL) in the SKOV-3 cells.

Analytes	Cell samples				
	Groups				
	<i>p</i>	Control	P-MAPA	IL-12	P-MAPA+IL-12
IFN- γ	0.43	1.793 $\pm$ 0.095	2.178 $\pm$ 0.297	2.185 $\pm$ 0.166	2.250 $\pm$ 0.221
IL-1 β	0.23	1.047 $\pm$ 0.052	1.268 $\pm$ 0.091	1.303 $\pm$ 0.086	1.285 $\pm$ 0.131
IL-2	0.52	1.183 $\pm$ 0.073	1.278 $\pm$ 0.110	1.320 $\pm$ 0.091	1.430 $\pm$ 0.165
IL-3	0.17	0.507 $\pm$ 0.009	0.552 $\pm$ 0.039	0.585 $\pm$ 0.031	0.615 $\pm$ 0.043
IL-6	0.86	99.333 $\pm$ 7.386	106.290 $\pm$ 7.668	102.955 $\pm$ 5.242	110.415 $\pm$ 14.494
IL-7	0.89	55.663 $\pm$ 1.698	57.483 $\pm$ 2.478	54.293 $\pm$ 2.034	55.865 $\pm$ 4.411
IL-9	0.88	72.683 $\pm$ 10.873	78.472 $\pm$ 13.781	75.458 $\pm$ 5.267	67.703 $\pm$ 5.772
IL-10	0.20	0.973 $\pm$ 0.031	1.135 $\pm$ 0.140	1.130 $\pm$ 0.046	1.250 $\pm$ 0.077
IL-12	0.22	3.113 $\pm$ 0.200	4.165 $\pm$ 0.583	4.308 $\pm$ 0.439	4.662 $\pm$ 0.678
IL-13	0.98	38.013 $\pm$ 1.177	38.987 $\pm$ 2.108	37.520 $\pm$ 3.027	37.835 $\pm$ 3.933
IL-15	0.29	54.893 $\pm$ 3.757	63.215 $\pm$ 5.637	67.510 $\pm$ 6.760	76.310 $\pm$ 11.575
IL-17	0.48	1.633 $\pm$ 0.051	1.728 $\pm$ 0.098	1.703 $\pm$ 0.052	1.823 $\pm$ 0.113
IP-10	0.48	34.030 $\pm$ 0.349	34.105 $\pm$ 1.365	33.590 $\pm$ 1.477	37.765 $\pm$ 3.623
MCP-1	0.75	2.927 $\pm$ 0.033	3.035 $\pm$ 0.347	3.183 $\pm$ 0.263	3.288 $\pm$ 0.244
MDC	0.13	2.993 $\pm$ 0.098	3.665 $\pm$ 0.425	4.053 $\pm$ 0.363	3.885 $\pm$ 0.246
MIP-1 β	0.08	11.680 $\pm$ 0.208	13.063 $\pm$ 2.580	10.293 $\pm$ 1.858	6.545 $\pm$ 1.069
RANTES	0.21	8.597 $\pm$ 0.724	9.580 $\pm$ 1.646	9.800 $\pm$ 1.087	6.590 $\pm$ 0.700

No significant values are presented for these analytes. The results are means $\pm$ SD of 3 biological replicates. *One-Way ANOVA*.