

Supplementary Table 1. The effects of andrographolide (An) on M1/ M2 cytokines mRNA expression level in IL-13 activated macrophages.

Stimulation Time	Cytokines detected	Mean values of cytokine mRNA expression (cultured vs fresh cells)			
		medium	IL-13	IL-13 + An	
4 h		medium	IL-13	IL-13 + An	
	M1	TNF- α	1.43	1.67	1.15
		IL-12	0.537	0.405	0.321
		IL-1 β	0.573	0.640	0.255 ↓ ^a
		IL-18	0.820	1.19	0.685
		IL-6	0.303	0.447	0.297
	M2	IL-10	0.315	1.11 ↑	0.525 ↓ ^a
		IL-1Ra	1.50	2.06	1.28
		IL-18BP	1.93	2.34	2.04
		IL-23	0.770	0.781	0.661
		IL-12/IL-10	1.71	0.364 ↓	0.611
		IL-1 β /IL-1Ra	0.383	0.310	0.200
		IL-18/IL-18BP	0.425	0.507	0.336
	24 h		medium	IL-13	IL-13 + An
M1		TNF- α	1.46	2.15	1.60
		IL-12	0.665	0.412	0.139 ↓ ^a
		IL-1 β	0.268	0.220	0.075 ↓ ^a
		IL-18	0.880	1.08	0.561
		IL-6	0.298	0.410	0.371
M2		IL-10	0.432	1.33	0.218 ↓ ^a
		IL-1Ra	2.33	5.07 ↑	0.908 ↓ ^a
		IL-18BP	3.06	2.43	7.31 ↑ ^a
		IL-23	0.268	0.224	0.383
		IL-12/IL-10	1.54	0.311 ↓	0.638 ↑ ^a
		IL-1 β /IL-1Ra	0.115	0.043 ↓	0.083
		IL-18/IL-18BP	0.288	0.443	0.077 ↓ ^a

Data in bold are those with >2-fold difference. ↑ up-regulation (>2-fold increase vs. medium control), ↓ down-regulation (>2-fold decrease vs medium control), ↑^a up-regulation (>2-fold increase vs IL-13 treated control), ↓^a down-regulation (>2-fold decrease vs IL-13 treated control).

Supplementary Table 2. The effects of andrographolide (An) on IL-23 mRNA expression level in naive and activated macrophages.

Stimulation Time	Mean values of cytokine mRNA expression (cultured <i>vs.</i> fresh cells)							
	medium	An	LPS	LPS + An	IL-4	IL-4 + An	IL-13	IL-13 + An
4 h	0.770	0.717	15.7 ↑	6.53 ↓ ^a	0.637	0.883	0.781	0.661
24 h	0.268	0.099 ↓	2.55 ↑	0.383 ↓ ^a	0.234	0.328	0.224	0.383

Data in bold are those with >2-fold difference. ↑ up-regulation (>2-fold increase *vs* medium control), ↓ down-regulation (>2-fold decrease *vs* medium control), ↓^a down-regulation (>2-fold decrease *vs* LPS-treated control).