

Supplemental Table. 2a. AX treatment time after LPS activation (TNF- α)

	1 h		3 h		6 h		12 h	
	Cont.	Pre-AX	Cont.	Pre-AX	Cont.	Pre-AX	Cont.	Pre-AX
Measurement 1 (pg/ml)	1.522	0.000	1.522	0.000	0.000	0.000	3.425	0.000
Measurement 2 (pg/ml)	0.381	0.000	2.283	1.522	2.283	3.045	2.664	0.000
Measurement 3 (pg/ml)	1.142	0.000	1.522	0.000	4.186	0.000	1.522	0.381
Mean	1.015	0.000	1.776	0.507	2.157	1.015	2.537	0.127

Cytokine assay of post-astaxanthin (AX) on TNF- α (ELISA).

Supplemental Table. 2b. AX treatment time after LPS activation (IL-6)

	12 h		24 h		120 h	
	Cont.	Pre-AX	Cont.	Pre-AX	Cont.	Pre-AX
Measurement 1 (pg/ml)	3.260	1.521	1.956	10.430	8.909	9.779
Measurement 2 (pg/ml)	15.863	1.521	17.167	10.213	10.865	19.992
Measurement 3 (pg/ml)	11.517	1.738	18.036	4.781	31.291	10.430
Mean	10.213	1.594	12.386	8.475	17.022	13.400

Cytokine assay of post-astaxanthin (AX) on IL-6 (ELISA).