

Table S1. Intra-assay precision of high sensitive cytokine array

Analyte	Level 1		Level 2		Level 3	
	Concentration pg/ml	CV %	Concentration pg/ml	CV %	Concentration pg/ml	CV %
IL-1 α	2.7	10.9	45.4	9.7	169.7	11.4
IL-1 β	5.1	9.3	63.9	8.7	233.4	7.4
IL-2	16.7	7.8	84.1	5.8	255.8	6.9
IL-4	13.1	9.6	69.9	9.5	232.2	8.4
IL-6	1.4	11.9	10.5	9.8	26.7	7.8
IL-8	11.6	9.4	123.0	9.4	629.0	7.0
IL-10	8.2	6.8	93.9	5.6	286.0	6.1
IFN- γ	7.9	10.1	145.7	7.4	620.1	7.7
TNF- α	9.4	7.1	111.8	7.2	486.1	12.7
MCP-1	27.6	12.2	136.3	8.9	320.8	5.8
VEGF	17.3	10.4	146.4	10.8	456.0	7.3
EGF	13.0	9.2	36.7	9.5	198.7	9.6

CV: coefficient of variation.

IL-1 α , IL-1 β , IL-2, IL-4, IL-6, IL-8, IL-10: interleukins; IFN- γ : interferon- γ ;

TNF- α : tumor-necrosis factor- α ; MCP-1: monocyte chemo-attractant protein-1; EGF;

VEGF: vascular endothelial growth factor; EGF: epidermal growth factor