

Supplementary Information

Figure S1. Human PBMCs were stimulated with 10 ng/mL LPS. Detection of mRNA Expression levels after 4, 12, 18 and 24 h. Red colours illustrate increased expression, green colours illustrate decreased expression compared to controls.

LPS 10 ng/ml	A20	CYLD	DUBA	ST2	CD180	SIGIRR	TANK	SOCS1	SOCS3	SHIP	IRAK-M	DOK1	DOK2	SHP1	SHP2	TOLLIP	IRF4	SIKE	NLRX1	ERBIN	CENTB1	Clec4a2
0 hours	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4 hours	3.37*	1.26	0.51	1.01	0.27*	0.60	1.37	1.03	4.97*	0.48*	0.82	0.45	0.14*	0.45	0.46	0.62*	0.98	0.58	0.42	1.90*	0.44	0.33
12 hours	2.00*	0.86	0.68	1.99	0.40*	0.79	2.21*	1.62*	7.16*	0.61	2.28*	0.55	0.11*	0.78	0.64	0.85	0.86	0.85	0.57	1.10	0.65	0.64
18 hours	1.44	1.04	0.66	1.19	0.34*	0.62	1.39	1.38	6.43*	0.49	1.42	0.45	0.09*	0.51	0.55	0.88	0.76	0.68	0.52	1.06	0.52	1.16
24 hours	1.01	1.12	1.04	1.02	0.66	1.13	1.30	1.75*	6.06*	0.87	1.97*	0.89	0.38*	1.27	1.09	1.19	1.33	1.14	1.01	0.96	1.16	1.70*
scale	0.20	0.50	1.00	2.00	5.00	10.00	20.00															

Table S1. Number of individual tissue samples used for human cDNA preparations.

Human Organs	No. of individuals
Lung	1
Liver	1
Kidney	4
Small Intestine	32
Colon	5
Testis	45
Spleen	3
Thymus	9
Brain	8
Heart	3

Table S2. (1) Descriptive statistics for murine healthy tissue housekeeping genes based on their crossing point (Cp) values.

	18S	GAPDH
N	10	10
GM	9.73	17.65
AM	9.75	17.66
Minimum	8.81	16.54
Maximum	10.98	18.91
SD	0.74	0.77
Variance	0.55	0.59
CV	0.05	0.10

Table S2. (2) Descriptive statistics for human healthy tissue GAPDH based on their Cp values.

	GAPDH
N	10
GM	25.76
AM	25.83
Minimum	22.69
Maximum	29.10
SD	2.02
Variance	4.08
CV	1.05

Table S2. (3) Descriptive statistics of 18s housekeeping gene in IRI model based on Cp values.

	18S
N	42
GM	10.11
AM	10.12
Minimum	8.99
Maximum	11.20
SD	0.48
Variance	0.23
CV	0.02

Table S2. (4) Descriptive statistics of 18s housekeeping gene in LPS stimulations based on Cp values in both species.

	18S human	18S murine
N	24	24
GM	12.28	11.06
AM	12.30	11.11
Minimum	10.94	9.38
Maximum	13.26	13.75
SD	0.61	1.09
Variance	0.38	1.18
CV	0.05	0.13