

Supplementary Material for "The role of Programmed cell death-1/Programmed death ligand 1 (PD-1/PD-L1) axis in sepsis-induced apoptosis"

Table S1. The studied parameters on day 1 and day 5 for the entire lot of patients (median value and interquartile range – IQR).

Parameter	Day 1	Day 5	<i>p</i> value
Th cells (CD4+), %	63 (21)	66.7 (18.6)	0.45 ^a
Tc cells (CD8+), %	29.3 (19.6)	30 (14.9)	0.83 ^a
PD-1, ng/ml	0.18 (0.16)	0.16 (0.17)	0.47 ^a
PD-L1, ng/ml	6.29 (4.95)	5.64 (3.61)	0.79 ^a
SOFA	10 (7)	7 (8.5)	0.001 ^a
APACHE II	23 (12)	19 (15.75)	0.11 ^a

^a Wilcoxon. Th cells: T helper lymphocytes, Tc cells: T cytotoxic lymphocytes, PD-1: Programmed cell death protein 1, PD-L1: Programmed death ligand 1, SOFA: Sequential Organ Failure Assessment, APACHE II: Acute Physiology and Chronic Health Evaluation.

Table S2. The studied parameters in sepsis versus septic shock on day 1 and day 5 (median value and IQR).

Parameter	Sepsis		<i>p</i> value	Septic shock		<i>p</i> value
	Day 1	Day 5		Day 1	Day 5	
Th cells (CD4+), %	60.4 (22.45)	65 (19.2)	0.74 ^a	67.95 (15.72)	67.8 (15.4)	0.26 ^a
Tc cells (CD8+), %	34.5 (21.85)	30 (17.6)	0.86 ^a	24.1 (12.6)	26 (9)	0.54 ^a
PD-1, ng/ml	0.16 (0.13)	0.14 (0.12)	0.33 ^a	0.21 (0.15)	0.2 (0.22)	0.99 ^a
PD-L1, ng/ml	5.52 (4.95)	5.82 (3.9)	0.86 ^a	6.96 (4.13)	4.99 (3.95)	0.03 ^a
SOFA	8 (7)	7 (8)	0.001 ^a	11.5 (6.25)	8.5 (10.75)	0.03 ^a
APACHE II	22 (12)	19 (11.5)	0.07 ^a	26.5 (15)	20.5 (23)	0.65 ^a

^a Wilcoxon. Th cells: T helper lymphocytes, Tc cells: T cytotoxic lymphocytes, PD-1: Programmed cell death protein 1, PD-L1: Programmed death ligand 1, SOFA: Sequential Organ Failure Assessment, APACHE II: Acute Physiology and Chronic Health Evaluation.

Table S3. Comparison of the studied parameters between survivors and non-survivors on day 1 and day 5 (median value and IQR).

Parameter	Survivors		<i>p</i> value	Non-survivors		<i>p</i> value
	Day 1	Day 5		Day 1	Day 5	
Th cells (CD4+), %	66.35 (15.9)	65.35 (21.45)	0.42 ^a	62.2 (22.7)	67.9 (18.43)	0.97 ^a
Tc cells (CD8+), %	28 (18.43)	30.6 (19.65)	0.26 ^a	29.3 (22.4)	30 (12.8)	0.9 ^a
PD-1, ng/ml	0.17 (0.14)	0.18 (0.29)	0.86 ^a	0.18 (0.16)	0.15 (0.13)	0.29 ^a
PD-L1, ng/ml	5.17 (3.71)	5.24 (2.65)	0.58 ^a	6.96 (5.52)	5.81 (5.22)	0.32 ^a
SOFA	5.5 (5.75)	2 (5.5)	0.01 ^a	11 (5)	10 (8)	0.003 ^a
APACHE II	13.5 (11)	10.5 (10.25)	0.24 ^a	27 (11)	22.5 (15.75)	0.39 ^a

^a Wilcoxon. Th cells: T helper lymphocytes, Tc cells: T cytotoxic lymphocytes, PD-1: Programmed cell death protein 1, PD-L1: Programmed death ligand 1, SOFA: Sequential Organ Failure Assessment, APACHE II: Acute Physiology and Chronic Health Evaluation.