|  |  |  |
| --- | --- | --- |
| Characteristics | sPD-1 | sPD-L1 |
| r | *P*-value | r | *P*-value |
| Age, years | 0.112 | 0.238 | 0.045 | 0.640 |
| WBC count | 0.142 | 0.136 | 0.006 | 0.953 |
| Platelet count | -0.150 | 0.115 | -0.234 | 0.013 |
| CRP  | 0.079 | 0.409 | 0.090 | 0.343 |
| PCT | 0.164 | 0.084 | 0.157 | 0.098 |
| APACHE II score | 0.409 | <0.001 | 0.250 | 0.008 |
| SOFA score | 0.360 | <0.001 | 0.193 | 0.042 |
| sPD-1 | 1.000 | / | 0.507 | <0.001 |
| sPD-L1 | 0.507 | <0.001 | 1.000 | / |
| Percentage of PD-1+CD4+ T cells | 0.381 | <0.001 | 0.206 | 0.029 |
| MFI of PD-1+CD4+ T cells | 0.292 | 0.002 | 0.096 | 0.312 |
| Percentage of PD-1+CD8+ T cells | 0.336 | <0.001 | 0.173 | 0.068 |
| MFI of PD-1+CD8+ T cells | 0.236 | 0.012 | 0.078 | 0.417 |
| Percentage of PD-L1+on monocytes  | 0.421 | <0.001 | 0.332 | <0.001 |
| MFI of PD-L1+on monocytes | 0.232 | 0.014 | 0.141 | 0.137 |

**SDC 2. Correlations among serum sPD-1, sPD-L1, and related parameters**

WBC: white blood cells; CRP: C-reactive protein; PCT: procalcitonin; APACHE II: acute physiology and chronic health evaluation system II; SOFA: sequential organ failure assessment; sPD-1: soluble programmed death-1; sPD-L1: soluble programmed death ligand-1; MFI: mean fluorescence intensity; PD-1: programmed death-1; PD-L1: programmed death ligand-1