

**Supplementary Table S1.** Demographic data and laboratory findings in active AOSD patients, sepsis patients, active SLE patients and active RA patients.

Variables	Active AOSD (n=23)	Sepsis (n=23)	Active SLE (n=20)	Active RA (n=22)
Age, years	45.1 ± 17.5***	73.6 ± 8.8###,SSS	42.7 ± 16.8 <sup>SS</sup>	52.1 ± 8.8
Male, n (%)	5 (21.7%)***	18 (78.3%)###,SSS	3 (15.5%)	3 (13.6%)
AOSD activity score	5.6 ± 1.3	NA	NA	NA
SLEDAI-2K	NA	NA	11.4 ± 4.7	NA
DAS28	NA	NA	NA	6.2 ± 1.0
MDW	28.3 (23.3-32.1)###,SSS	28.7 (24.5-34.6)###,SSS	19.9 (16.6-23.3)	21.2 (19.4-22.0)
WBC, x1000/mm <sup>3</sup>	11.6 (7.5-16.5)###,SS	13.9 (8.2-17.2)###,SS	4.6 (2.9-6.6) <sup>SS</sup>	7.1 (5.3-9.0)
Neutrophil (%)	87.2 (82.1-91.0)###,SSS	87.5 (76.2-90.7)###,SS	76.8 (64.2-86.1)	70.4 (65.6-76.0)
Lymphocyte (%)	7.4 (3.8-11.7)###,SSS	6.5 (2.9-10.1)###,SSS	15.4 (9.1-20.9)	19.6 (15.3-22.7)
NLR	11.9 (7.0-23.2)###,SSS	13.9 (7.4-31.4)###,SSS	5.1 (2.9-9.2)	3.7 (2.9-5.0)
CRP levels, mg/dL	5.7 (2.4-11.8)*###,SS	15.2 (6.5-23.9)###,SSS	0.3 (0.1-0.8) <sup>SSS</sup>	2.8 (1.9-3.3)

Data are presented as mean ± SD, number (%), or median (25<sup>th</sup> -75<sup>th</sup> quartile range); NA: non-applicable; AOSD: adult-onset Still's disease; SLE: systemic lupus erythematosus; RA: rheumatoid arthritis; SLEDAI-2K: SLE disease activity index-2K; DAS28: 28-joint disease activity score; MDW: monocyte distribution width; WBC: white blood cell count; NLR: neutrophil-to-lymphocyte ratio; CRP: C-reactive protein.

\* $p < 0.05$ , \*\* $p < 0.001$ , vs. sepsis, as determined by Mann-Whitney U test.

<sup>#</sup> $p < 0.05$ , <sup>##</sup> $p < 0.01$ , <sup>###</sup> $p < 0.001$ , vs. SLE, as determined by Mann-Whitney U test.

<sup>§</sup> $p < 0.05$ , <sup>SS</sup> $p < 0.001$ , vs. RA, as determined by Mann-Whitney U test.