

Cytokine/chemokine	Patient <sup>b</sup>	Healthy controls, <i>n</i> = 7		Panel in Figure 3
		Mean	95% CI	
CTACK <sup>c</sup>	<b>378.5<sup>d</sup></b>	89.9	51.5-128.2	
Eotaxin	34.1	32.3	20.1-44.5	
FGF basic	14.4	12.0	5.9-18.1	
G-CSF	<b>26.7</b>	7.8	5.9-9.7	
GM-CSF	18.6	12.6	4.1-21.1	
GRO $\alpha$	<b>44.6</b>	22	8.6-35.5	3G
$\beta$ -NGF	<b>3.7</b>	0.2	0.2-0.2	
HGF	<b>3844.3</b>	48.6	27.1-70.2	3B
IFN- $\gamma$	<b>63.8</b>	51.1	40.5-61.7	3J
IL-10	4.5	3.9	0-7.9	
IL-12p70	1.2	7.4	1.5-13.3	
IL-13	1.2	1.8	1.3-2.2	3I
IL-16	<b>390.0</b>	35.4	15.2-55.6	
IL-17	5.2	14.9	6.8-23.0	
IL-18	<b>82.9</b>	11.4	6.4-16.4	3F
IL-1 $\beta$	0.8	0.8	0.5-1.1	3K
IL-1Ra	<b>63.3</b>	28.2	17.5-38.9	3J
IL-2	1.5	3.6	1.8-5.4	3K
IL-2Ra	<b>66.1</b>	1.2	-0.5-2.9	3G
IL-3	177.8	99.8	39.0-178.3	3J
IL-4	2.2	2.7	2.4-2.9	
IL-5	1.8	2.7	2.1-3.3	
IL-6	<b>14</b>	2.0	0.8-3.1	3L
IL-7	<b>2.7</b>	2.0	1.3-2.6	3K
IL-8	17.2	25.1	2.7-47.5	
IL-9	9.9	31.7	12.5-51.0	3I
IP10	<b>OOR &gt;<sup>e</sup></b>	206.4	141.1-271.6	3E
MCP-1	<b>30.0</b>	7.4	0.9-13.9	3F
M-CSF	32.6	21.7	5.0-38.4	3G
MIF	<b>190.4</b>	12.3	8.6-16.1	
MIG	<b>5041.3</b>	59.1	37.8-80.4	
MIP-1a	0.6	1.5	0.8-2.1	
MIP-1b	24.7	40.7	29.3-52.1	
PDGF-bb	295.4	502.4	372.3-632.5	3D
SCF	<b>91.1</b>	7.4	6.1-8.6	
SCGF- $\beta$	<b>2.26<math>\times</math>10<sup>5</sup></b>	2128.0	1455-2801	3E
SDF-1 $\alpha$	<b>89.3</b>	16.1	11.9-20.4	
TNF- $\alpha$	8.2	10.9	9.0-12.7	3H
TNF- $\beta$	<b>3.7</b>	0.1	0.1-0.2	3C
TRAIL	<b>12.5</b>	7.3	5.4-9.2	
VEGF	6.8	22.9	7.3-38.5	

**Supplementary Table S1** The plasma cytokines and chemokines<sup>a</sup> on admission (Day 7 post disease onset).

<sup>a</sup> Levels are given in pg/mL.

<sup>b</sup> The cytokines and chemokines in the plasma collected on the first day of hospitalization (Day 7) were tested.

<sup>c</sup> Abbreviations: CTACK, cutaneous T cell-attracting chemokine; FGF, fibroblast growth factor; G-CSF, granulocyte colony stimulating factor; GM-CSF, granulocyte macrophage colony-stimulating factor; GRO, growth-regulated oncogene;  $\beta$ -NGF,  $\beta$ -nerve growth factor; HGF, hepatocyte growth factor; IFN- $\gamma$ , interferon-gamma; IL, interleukin; IL-1Ra, IL-1 receptor antagonist; IP10, interferon gamma-induced protein 10; MCP, monocyte chemoattractant protein; M-CSF, macrophage colony-stimulating factor; MIF, macrophage migration inhibitory factor; MIG, macrophage-induced gene; MIP, macrophage inflammatory protein; PDGF, platelet-derived growth factor; SCF, stem cell factor; SCGF- $\beta$ , stem cell growth factor; SDF, stromal cell-derived factor; TNF, tumor necrosis factor; TRAIL, TNF-related apoptosis-inducing ligand; VEGF, vascular endothelial growth factor.

<sup>d</sup> The cytokines and chemokines that are higher than the upper 95% CI of healthy controls are denoted in bold font.

<sup>e</sup> The "OOR >": Out of range above, which means larger than the highest concentration in the standard curve. The highest concentration of IP10 standard curve is 13518.8 pg/mL.