**Table S1. 21 cytokine levels in plasma from subjects with HBV infection and healthy controls.**

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| --- | --- | --- | --- | --- | --- |
| **Cytokines (pg/ml)** | **HCs** | **CHB** | **ASC** | **OBI** | ***P* value** |
| Fractalkine/CX3CL1 | 98.75(57.57,163.80) | 95.50(68.83,201.88) | 175.15(146.95,217.69) | 218.39(139.72,258.68) | 0.0010 |
| GM-CSF | 18.89±10.98 | 26.68±16.29 | 32.32±14.78 | 39.43±21.30 | 0.0067 |
| IFN-γ | 6.64±2.53 | 11.36±5.96 | 10.22±3.54 | 11.02±3.90 | 0.0099 |
| IL-10 | 6.49(4.28,8.69) | 11.72(8.35,16.13) | 9.62(7.53,13.24) | 13.64(6.52,17.10) | 0.0300 |
| IL-12 | 1.90(1.47,2.19) | 2.38(1.81,3.24) | 2.61(1.93,2.93) | 2.45(1.82,3.14) | 0.0890 |
| IL-13 | 0.54(0.04,1.24) | 1.19(0.19,2.43) | 0.04(0.04,1.26) | 0.04(0.04,0.99) | 0.2800 |
| IL-17A | 4.84±1.60 | 6.98±2.45 | 6.52±2.39 | 7.49±2.88 | 0.0239 |
| IL-1β | 0.80±0.36 | 1.01±0.57 | 1.44±0.61 | 1.60±0.81 | 0.0044 |
| IL-2 | 0.67(0.13,0.90) | 1.37(0.99,1.93) | 1.31(0.98,1.88) | 1.62(0.98,2.03) | 0.0220 |
| IL-21 | 2.00±1.11 | 3.37±1.85 | 3.86±1.76 | 4.33±2.35 | 0.0091 |
| IL-23 | 194.87(150.18,266.06) | 141.39(96.20,417.36) | 323.01(198.81,432.81) | 432.38(195.75,541.50) | 0.0090 |
| IL-4 | 13.22±9.00 | 28.47±17.01 | 31.84±16.10 | 32.75±21.27 | 0.0177 |
| IL-5 | 1.74(0.91,2.31) | 2.59(1.63,3.36) | 3.23(2.53,4.08) | 3.14(1.96,4.49) | 0.0090 |
| IL-6 | 0.12(0.12,0.12) | 0.54(0.12,2.89) | 0.20(0.12,0.38) | 0.20(0.12,0.94) | 0.1150 |
| IL-7 | 5.01±1.25 | 6.97±3.02 | 7.31±2.23 | 7.89±2.49 | 0.0049 |
| IL-8 | 0.57(0.30,0.92) | 1.31(0.80,6.52) | 0.77(0.40,1.37) | 1.14(0.73,1.57) | 0.0270 |
| ITAC/CXCL11 | 10.21(7.92,13.91) | 24.64(16.73,45.03) | 12.58(10.70,14.79) | 11.79(9.45,15.02) | 0.0060 |
| MIP-1α/CCL3 | 7.65±3.20 | 10.35±4.48 | 11.75±4.24 | 12.49±5.38 | 0.0252 |
| MIP-1β/CCL4 | 7.21(5.78,9.69) | 11.56(4.04,19.39) | 6.49(3.61,9.04) | 8.74(5.44,13.41) | 0.2720 |
| MIP-3α/CCL20 | 7.86(5.48,9.58) | 14.90(10.08,31.01) | 12.74(9.77,13.87) | 13.59(9.41,17.50) | 0.0010 |
| TNF-α | 5.03±0.75 | 6.10±1.77 | 5.46±1.46 | 6.07±1.93 | 0.2554 |
| TGF-β | 220.55(217.25,234.04) | 249.29(229.02,408.40) | 239.17(222.01,256.75) | 240.52(227.09,255.47) | 0.0140 |

Data were presented with median and interquartile (P25, P75) or mean ± SEM based on non-normal or normal distribution, respectively.

Comparisons were performed using one-way ANOVA or Kruskal–Wallis test according to the normality and homogeneity of data, respectively.

*P* value indicated the statistic differences among HCs, OBI, ASC and CHB groups.

OBI: occult HBV infection; CHB: chronic hepatitis B; ASC: asymptomatic HBsAg carriers; HCs: healthy blood donors.