

**Supplementary Material**

| Biomarker              | AUC(%) | Sensitivity A(%) | Specificity(%) | PPV(%) | NPV(%) |
|------------------------|--------|-----------------|----------------|--------|--------|
| Conventional cytologic | 71.21  | 60.00           | 100.00         | 100    | 86.11  |
| flow cytometry         | 86.37  | 70.00           | 100.00         | 100    | 88.53  |
| CSF IL-6               | 89.23  | 80.00           | 88.46          | 76.47  | 92.85  |

**Supplementary table 1** Sensitivities, specificities, positive predictive values and negative predict values of the biomarkers for AML with CNS.

AUC, areas under curve; PPV, positive predictive value; NPV, negative predictive value

**Supplementary Figure 1.** Serum IL-6 in adult AML patients with and without CNS involvement (AML with CNS+ and CNS-). AML, acute myeloid leukemia; CNS, central nervous system.