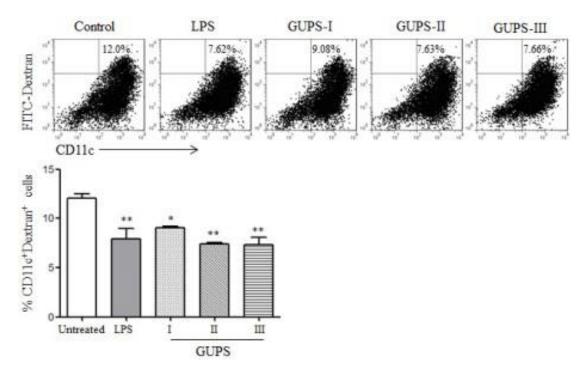
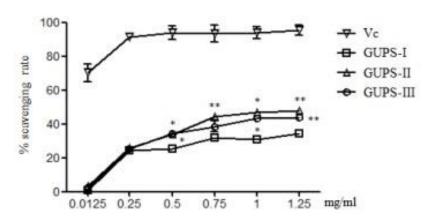


Supplementary Figure S1. The UV spectra of GUPS-I, GUPS-II and GUPS-III.



Supplementary Figure S2. The capacity of antigen up-take of DCs upon GUPS treatment. DCs were treated with GUPS fractions (50 μ g/mL) for 12 h, and then inoculated with FITC-Dextran for 1 h. After staining with PE-CD11c, samples were analyzed by flow cytometry (upper panels). The summary data (mean \pm SEM) are shown in lower panel. Data are from 3 independent experiments and analyzed by ANOVA. * p < 0.05; ** p < 0.01 compared to untreated DCs.



Supplementary Figure S3. The antioxidant activities of GUPS fractions. Vc was used as positive control. Data are from 3 independent experiments, the two-tailed unpaired t-test was used to compare GUPS-II and GUPS-III with GUPS-I. * p < 0.05; ** p < 0.01.