Supporting Information

for

Oligosaccharide and Peptidoglycan of *Ganoderma lucidum* activate the immune response in human mononuclear cells

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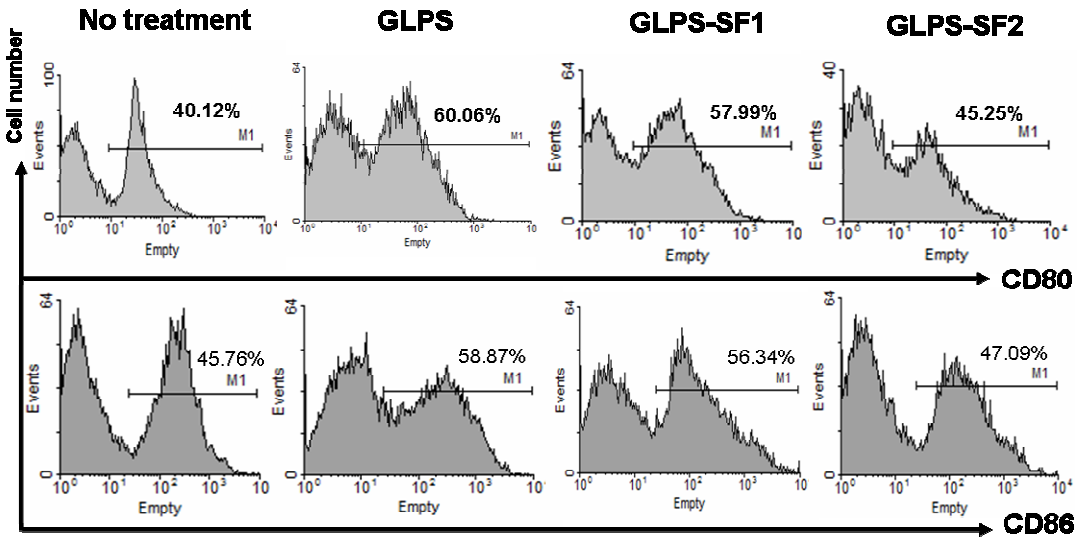

Figure S1. The immune-activating properties of GLPS Smith degradation products in purified monocytes. Primary CD14 monocytes were purified from hPB-MNCs by magnetic negative separation. Primary cells (1×10^6) cultured in 500 μL complete medium were incubated with each of the indicated fractions (100 μg/mL) for 24 h and then stained with PE-conjugated antibodies to CD80 and CD86 for expression analysis.

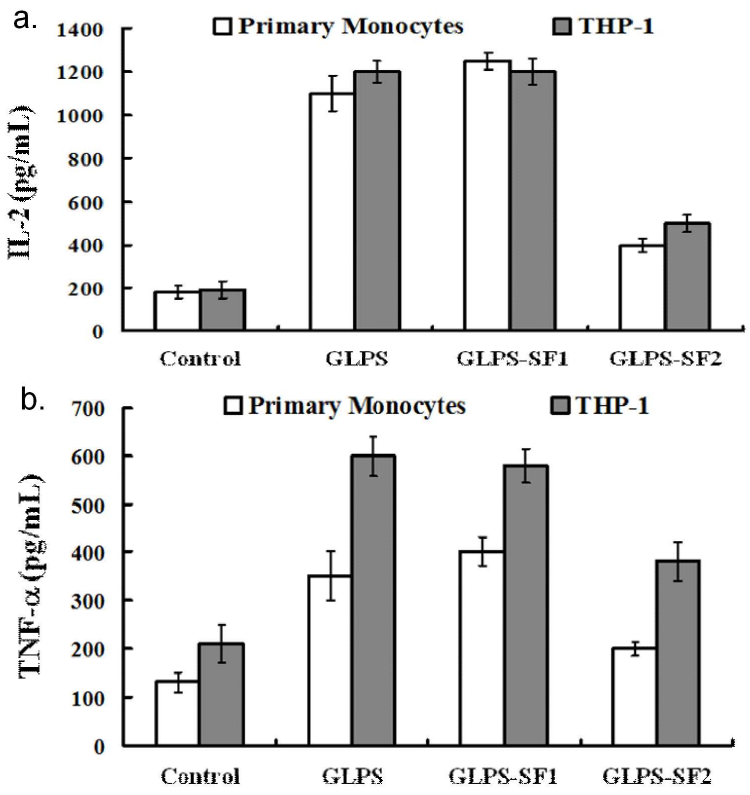

Figure S2. The immune-activating properties of GLPS Smith degradation products in purified monocytes and monocytic cell lines. Primary monocyes (1×10^6) or THP-1 cells (1×10^6) were cultured in 500 μL complete medium and incubated with each of the indicated fractions (100 μg/mL) for 24 h. Conditioned medium was harvested at 24 h and assayed for the concentrations of IL-12 (a) and TNF-α (b) by ELISA.

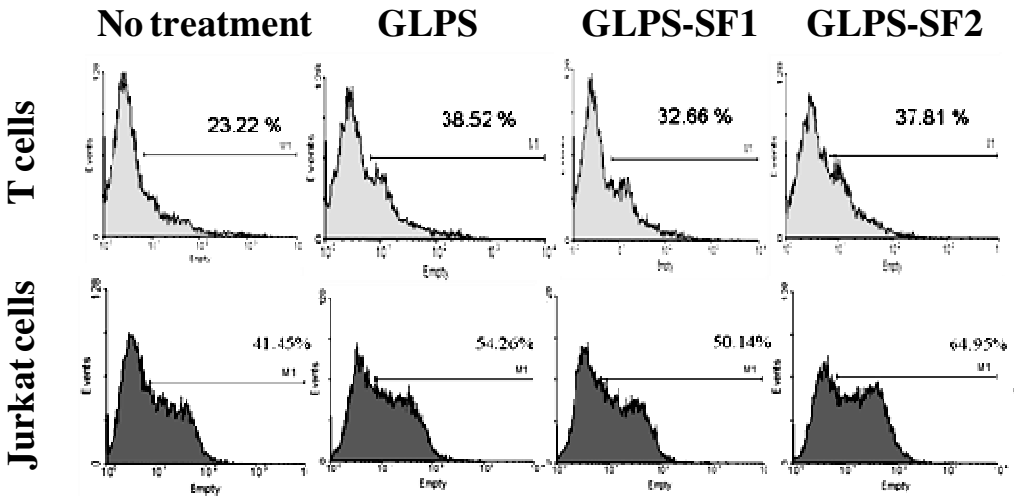

Figure S3. The immune-activating properties of GLPS Smith degradation products in purified T lymphocytes and Jurkat cells. Primary CD3 T lymphocytes were purified from hPB-MNCs by magnetic negative separation. Primary T lymphocytes (1×10^6) and Jurkat cells (1×10^6) cultured in 500 μL complete medium were incubated with each of the indicated fractions (100 μg/mL) for 24 h and then stained with PE-conjugated antibodies to CD69 for expression analysis.

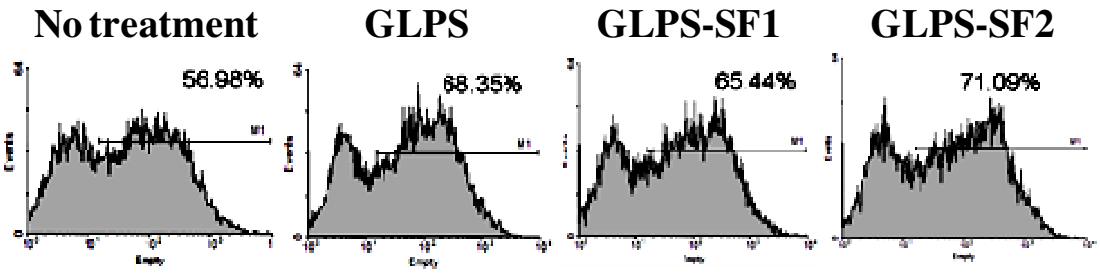

Figure S4. The immune-activating properties of GLPS Smith degradation products in purified NK cells. Primary CD56 NK cells were purified from hPB-MNCs by magnetic negative separation. Primary cells (1×10^6) cultured in 500 μL complete medium were incubated with each of the indicated fractions (100 μg/mL) for 24 h and then stained with PE-conjugated antibodies to CD69 for expression analysis.

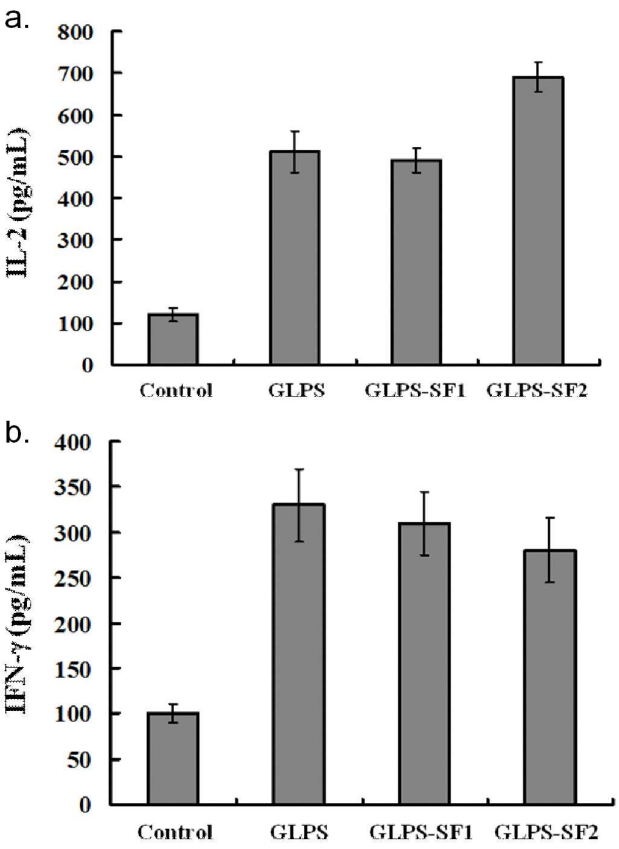

Figure S5. The immune-activating properties of GLPS Smith degradation products in purified NK cells. Conditioned medium of NK cells was harvested at 24 h and assayed for the concentrations of IL-2 and IFN-γ by ELISA.

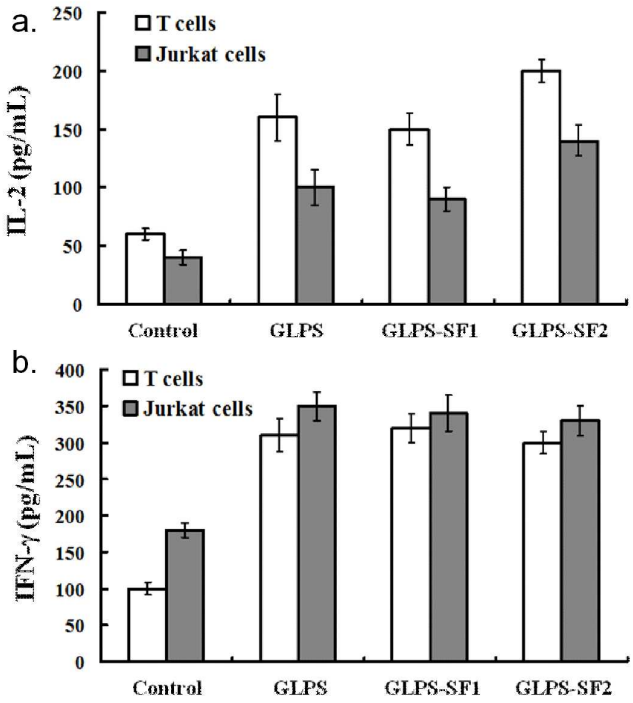

Figure S6. The immune-activating properties of GLPS Smith degradation products in purified T lymphocytes and Jurkat cells. Conditioned media of T lymphocytes and Jurkat cells were harvested at 24 h and assayed for the concentrations of IL-2 and IFN-γ by ELISA.