

**Characterization of a novel polysaccharide from *Arca subcrenata*
and its immunoregulatory activities *in vitro* and *in vivo***

Hui Shi,^{†a,b} Jianhuan Li,^{†a} Fei Liu,^{†b} Sixue Bi,^a Weijuan Huang,^c Yuanyuan Luo,^c Man Zhang,^a Liyan Song,^{*c} Rongmin Yu^{*a,b} and Jianhua Zhu^{*a,b}

Supplemental materials

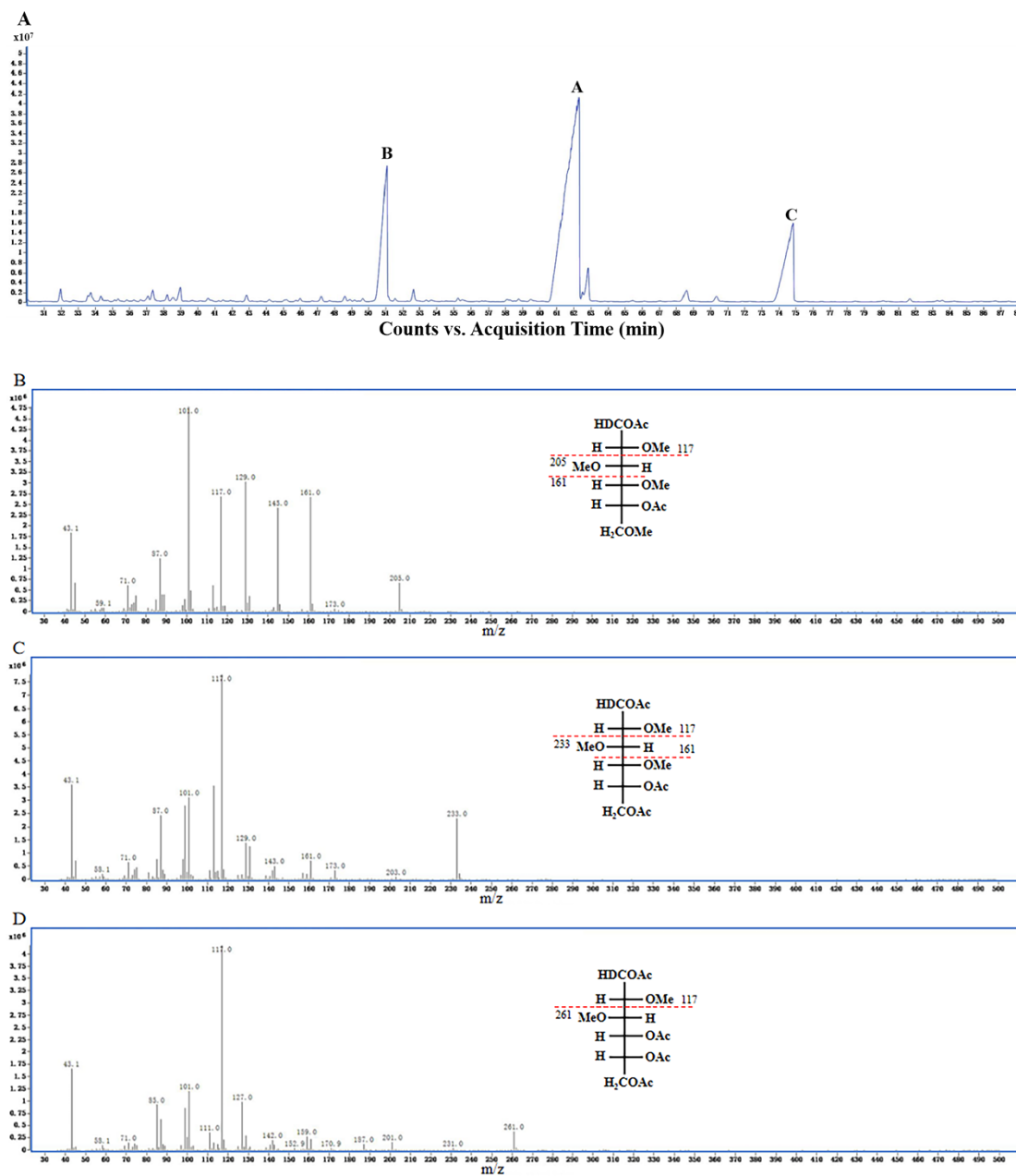


Fig. S1 GC chromatogram and corresponding mass spectra of PMAAs for ASPG-1. (A) GC chromatogram of ASPG-1. (B) The mass spectra of 1,5-Di-O-acetyl-2,3,4,6-tetra-O-methyl-D-glucitol. (C) The mass spectra of 1,5,6-Tri-O-acetyl-2,3,4-tri-O-methyl-D-glucitol. (D) The mass spectra of 1,4,5,6-Tetra-O-acetyl-2,3-di-O-methyl-D-glucitol.

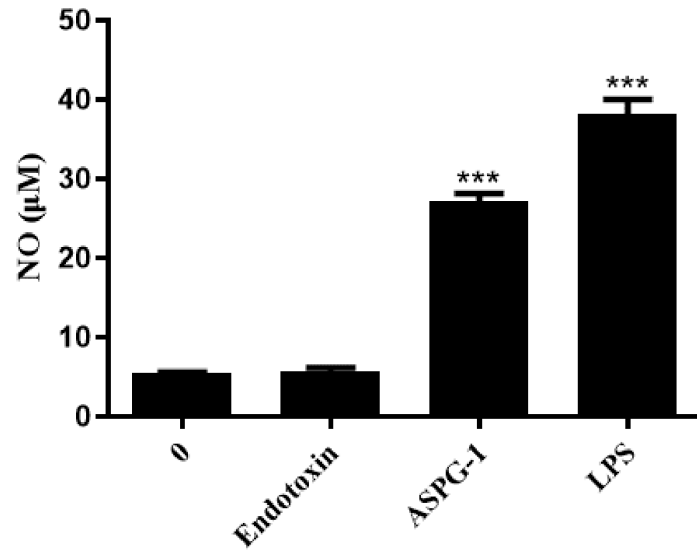


Fig. S2 Effect of endotoxin (5.8 EU/mL), ASPG-1 (500 µg/mL), and LPS (1 µg/mL) on NO production in RAW264.7 cells.

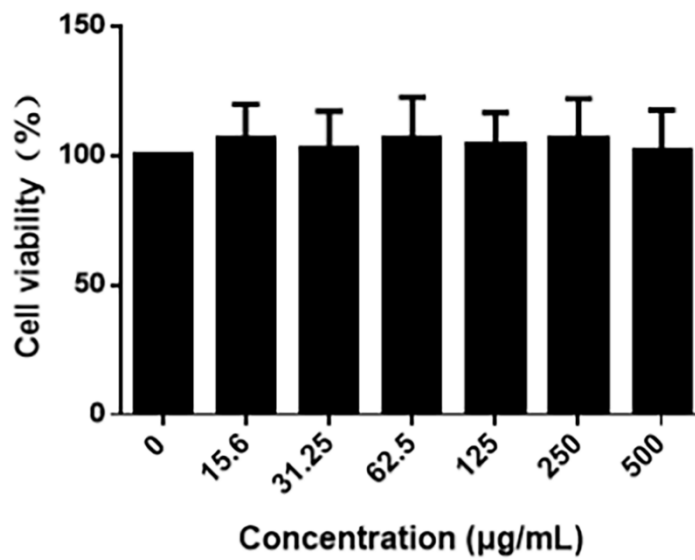


Fig. S3 Effect of ASPG-1 on proliferation of 4T1 cells. ASPG-1 had no antitumor effects on 4T1 cells *in vitro*.

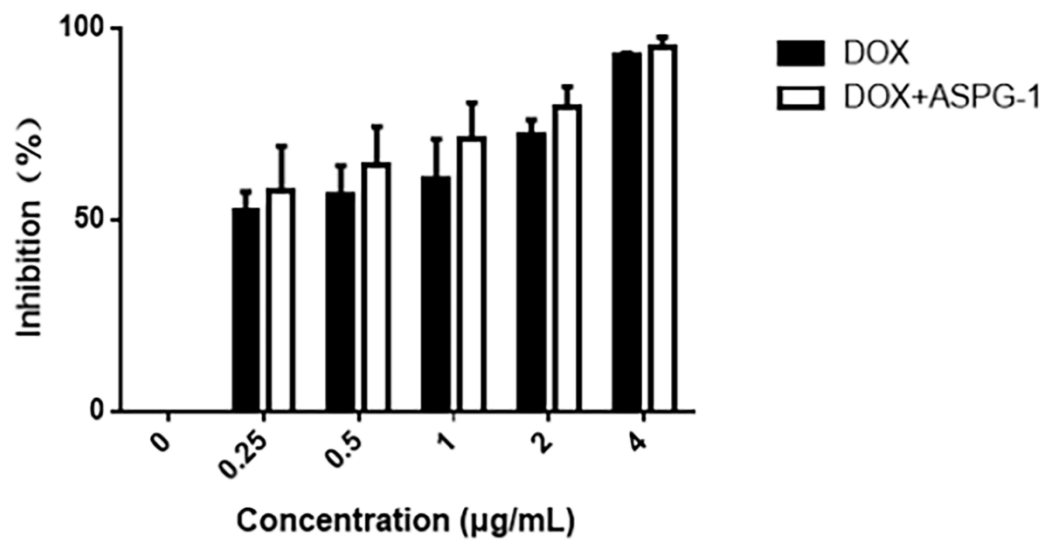


Fig. S4 Effect of ASPG-1 combined with DOX on proliferation of 4T1 cells. ASPG-1 did not enhance the antitumor effect of DOX *in vitro*.