

Supplementary information, Figure S3

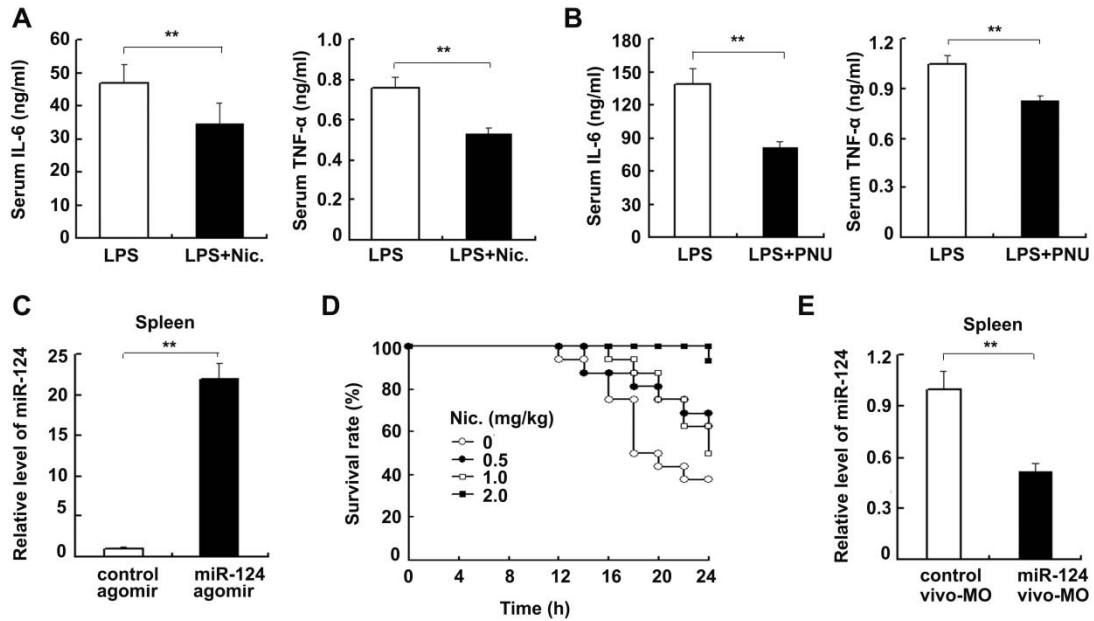


Figure S3 Effect of cholinergic agonists on serum cytokine production and survival rate, and efficiency of miR-124 agomir or antisense transfection *in vivo*. **(A)** ELISA detection of serum IL-6 and TNF- α obtained from BALB/c mice i.p. given 30 mg/kg LPS together with control vehicle or 2 mg/kg nicotine for 3 h. Results are mean \pm S.D. ($n = 6$). **(B)** ELISA detection of serum IL-6 and TNF- α obtained from BALB/c mice i.p. injected with 30 mg/kg LPS in the presence or absence of 3 mg/kg PNU for 3 h. Results are mean \pm S.D. ($n = 6$). **(C)** q-PCR of miR-124 in spleen obtained from BALB/c mice injected via the tail vein every day with 100 nmol/kg miR-124 agomir or matched control for 3 days. Results are mean \pm S.D. ($n = 6$). **(D)** Survival rate of BALB/c mice i.p. given 30 mg/kg LPS together with control vehicle or the indicated dose of nicotine (nicotine was i.p. injection again after 12 h). $n = 16$. **(E)** q-PCR of miR-124 in spleen of BALB/c mice injected via the tail vein every day with 12.5 mg/kg antisense miR-124 vivo-morpholino (MO) or matched control for 3 days. Results are mean \pm S.D. ($n = 6$). $**P < 0.01$ (Student's *t*-test in **A**, **B**, **C** and **E**, log-rank test in **D**).