

Appendix A

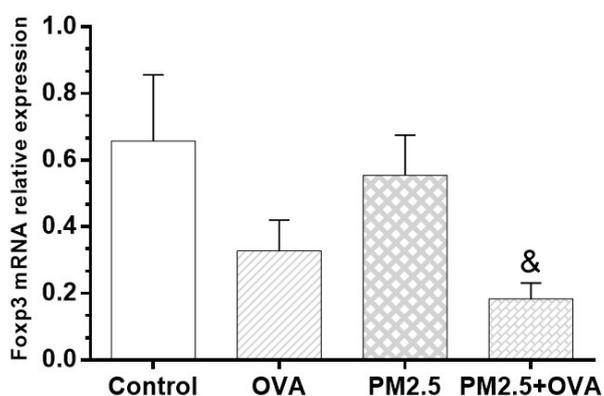
Effect of indoor coal PM2.5 on the expression level of Foxp3 mRNA in OVA-induced asthmatic rats

Method

Forty six-week-old male SD rats were divided into four groups randomly (Control, OVA, PM2.5, PM2.5+OVA). Normal saline, OVA (15ug / mL) and/or PM2.5 (2.5mg / mL) were given to the four groups respectively through intratracheal instillation for two weeks one time, four times totally. 24 hours after the last intra-tracheal instillation, the lung tissue were collected to detect Foxp3 mRNA expression level by PR-PCR.

Result

In lung tissue, the expression level of Foxp3 mRNA in control group was significantly higher than that in PM2.5+OVA groups ($P < 0.05$).



& vs control, $P < 0.05$

Figure 1. Effect of indoor coal PM2.5 on the expression level of Foxp3 mRNA in OVA-induced asthmatic rats