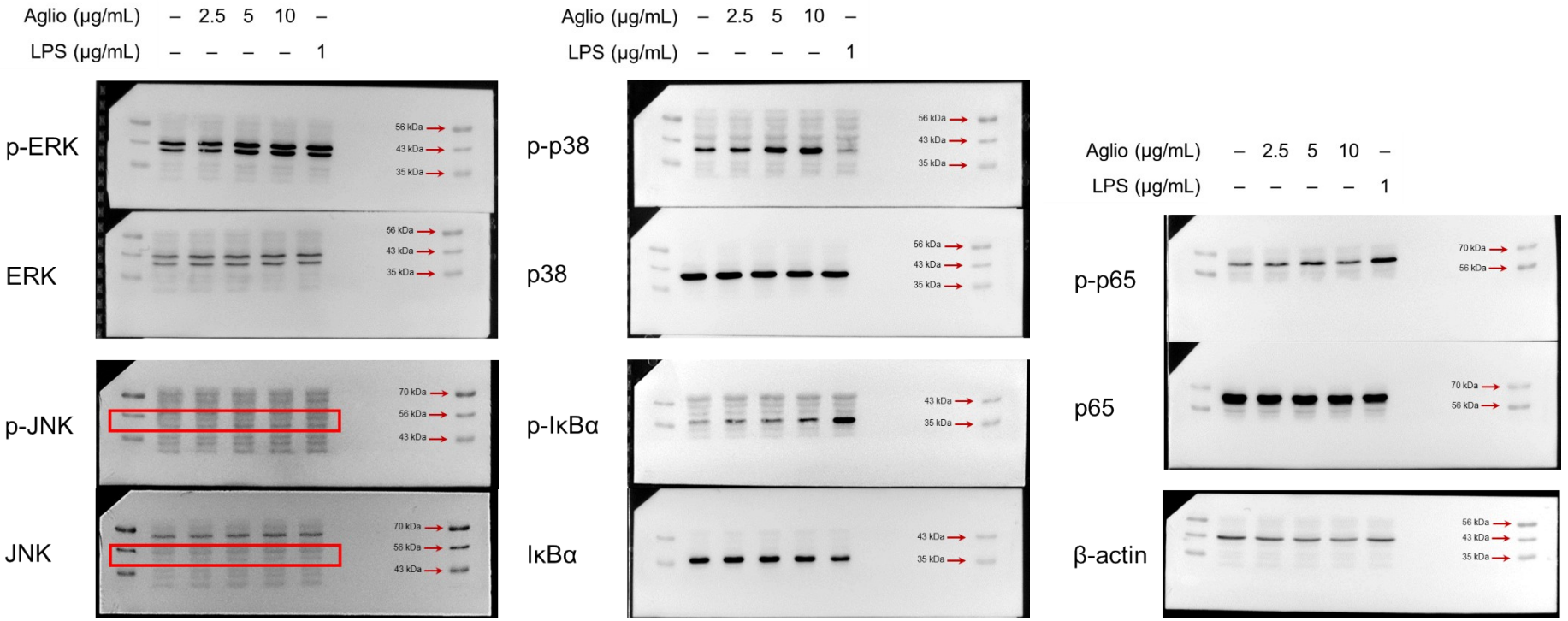


Fig. S1. The original western blotting images provided in Fig. 2A.

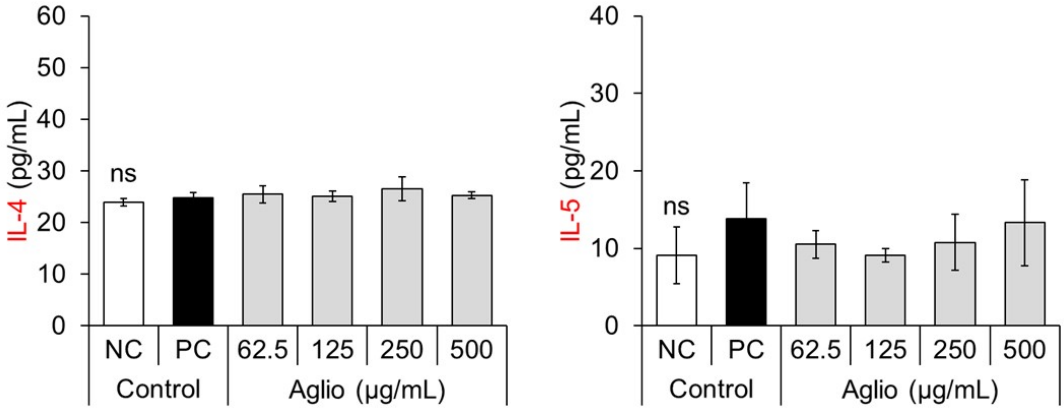
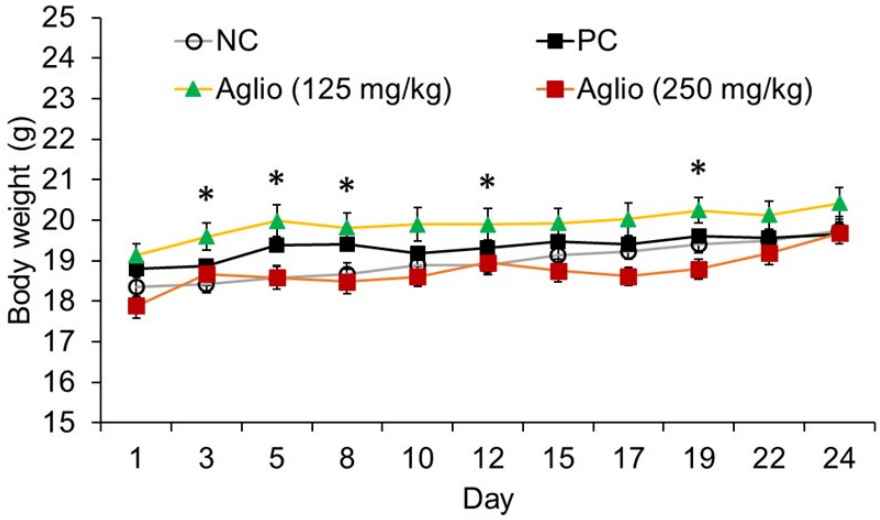


Fig. S2. Effects of Aglio on allergic-related cytokines production. Splenocytes from normal Balb/c mice were treated with Aglio for 48 h, with SFM and LPS (1 μg/mL) serving as negative and positive controls (NC and PC), respectively. Cytokine production in the culture supernatant was quantified using ELISA kits. Data represent the mean ± standard deviation of three independent experiments. ns, not significantly different ($p > 0.05$) among groups according to Duncan's test.

A)



B)

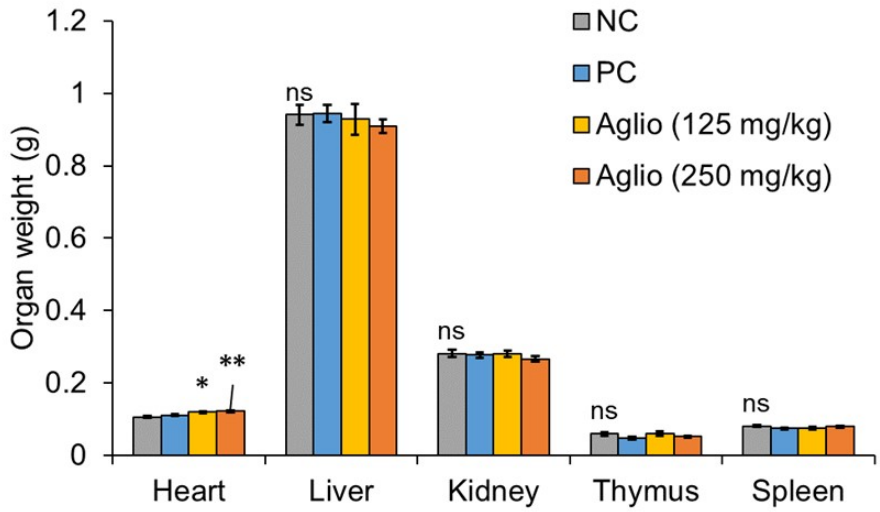


Fig. S3. (A) Effects of oral Aglio administration on (A) body weight during period and (B) major organ weight after euthanasia. Aglio was orally administered to Balb/c mice at specified doses for four weeks. Purified water and levamisole hydrochloride (50 mg/kg) were administered serving as negative and positive controls (NC and PC), respectively. Data represent the mean ± standard error of mean (n = 8). The asterisks show significant differences between the NC and each group according to Student's t-test at a p value of < 0.05. ns, not significant among groups.

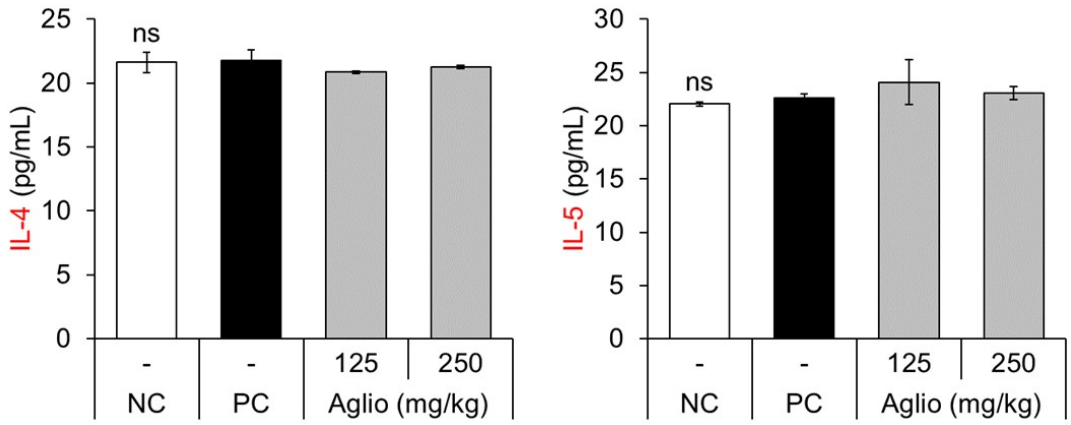


Fig. S4. Effects of oral Aglio administration on allergic-related cytokines production. Aglio was orally administered to Balb/c mice at specified doses for four weeks. Purified water and levamisole hydrochloride (50 mg/kg) were administered serving as negative and positive controls (NC and PC), respectively. After euthanisia, splenocytes were isolated, incubated aseptically for 48 h, and quantified for cytokine and antibody production in the cultured supernatant using ELISA kits. Data represent the mean ± standard error of mean (n = 8). ns, not significantly different ($p > 0.05$) among groups according to Duncan's test.

Table S1. The information of the ELISA kits used in the study

Antibody	**Cat. No.**	**Company**
Mouse MCP-1 ELISA kit	555260	BD Biosciences (Minneapolis, MN, USA)
Mouse TNF-α ELISA kit	88-7324-88	Invitrogen (Carlsbad, CA, USA)
Mouse IL-6 ELISA kit	555240	BD Bioscience (Minneapolis, MN, USA)
Mouse IL-12 ELISA kit	555165	BD Biosciences (Minneapolis, MN, USA)
Mouse GM-CSF ELISA kit	555167	BD Biosciences (Minneapolis, MN, USA)
Mouse IFN-γ ELISA kit	555138	BD Biosciences (Minneapolis, MN, USA)
Mouse total IgG ELISA kit	88-50400-88	Invitrogen (Carlsbad, CA, USA)
Mouse IgA ELISA kit	88-50450-88	Invitrogen (Carlsbad, CA, USA)
Mouse IL-4 ELISA kit	555232	BD Biosciences (Minneapolis, MN, USA)
Mouse IL-5 ELISA kit	555236	BD Biosciences (Minneapolis, MN, USA)

Table S2. Gene-specific primer sequences used in this study

Primer name	Forward Reverse	Sequence (5′→3′)
T-Bet	Forward Reverse	5′–CCAGAACGCAGAGATCACTCA–3′ 5′–CGAGGGGACACTCGTATCAA–3′
GATA3	Forward Reverse	5′–GGGCTGTACTACAAGCTTCAT–3′ 5′–ATCTTCCGGTTTCGGGTCTG–3′
FOXP3	Forward Reverse	5′–GCCACCTGGAAGAATGCCA–3′ 5′–GTCCACACTGCTCCCTTCTC–3′
β-Actin	Forward Reverse	5′–CCTCGCCTTTGCCGATCC–3′ 5′–CGCGGCGATATCATCATCC–3′

Table S3. The information of the antibodies used in the study

Antibody	Cat. No.	Company
p38 MAPK antibody	#9212	Cell signaling (Danvers, MA, USA)
JNK (56G7) Rabbit mAb	#9258	Cell signaling (Danvers, MA, USA)
P44/42 MAPK (Erk1/2)	#9101	Cell signaling (Danvers, MA, USA)
IKBα (44D4) Rabbit mAb	#4812	Cell signaling (Danvers, MA, USA)
NF-κB p65 (D14E12) XP® Rabbit mAb	#8242	Cell signaling (Danvers, MA, USA)
p-p38 MAPK (Thr180/Tyr182)	#9211	Cell signaling (Danvers, MA, USA)
p-SAPK/JNK (Thr183/Tyr185)	#9251	Cell signaling (Danvers, MA, USA)
p-44/42 MAPK (Erk1/2) (Thr202/Tyr204)	#9101	Cell signaling (Danvers, MA, USA)
p-IKBα (Ser32) (14D4) Rabbit mAb	#2859	Cell signaling (Danvers, MA, USA)
p- NF-κB (Ser536) (93H1) Rabbit mAb	#3033	Cell signaling (Danvers, MA, USA)
β–actin (C4)	sc-47778	Santa Cruz Biotechnology Inc. (Santa Cruz, CA, USA)
Anti–mouse IgG, HRP–linked	#7076	Cell signaling (Danvers, MA, USA)
Anti–rabbit IgG, HRP–linked	#7074	Cell signaling (Danvers, MA, USA.)