

Acetaminophen Attenuates House Dust Mite Induced Allergic Airway Disease in Mice

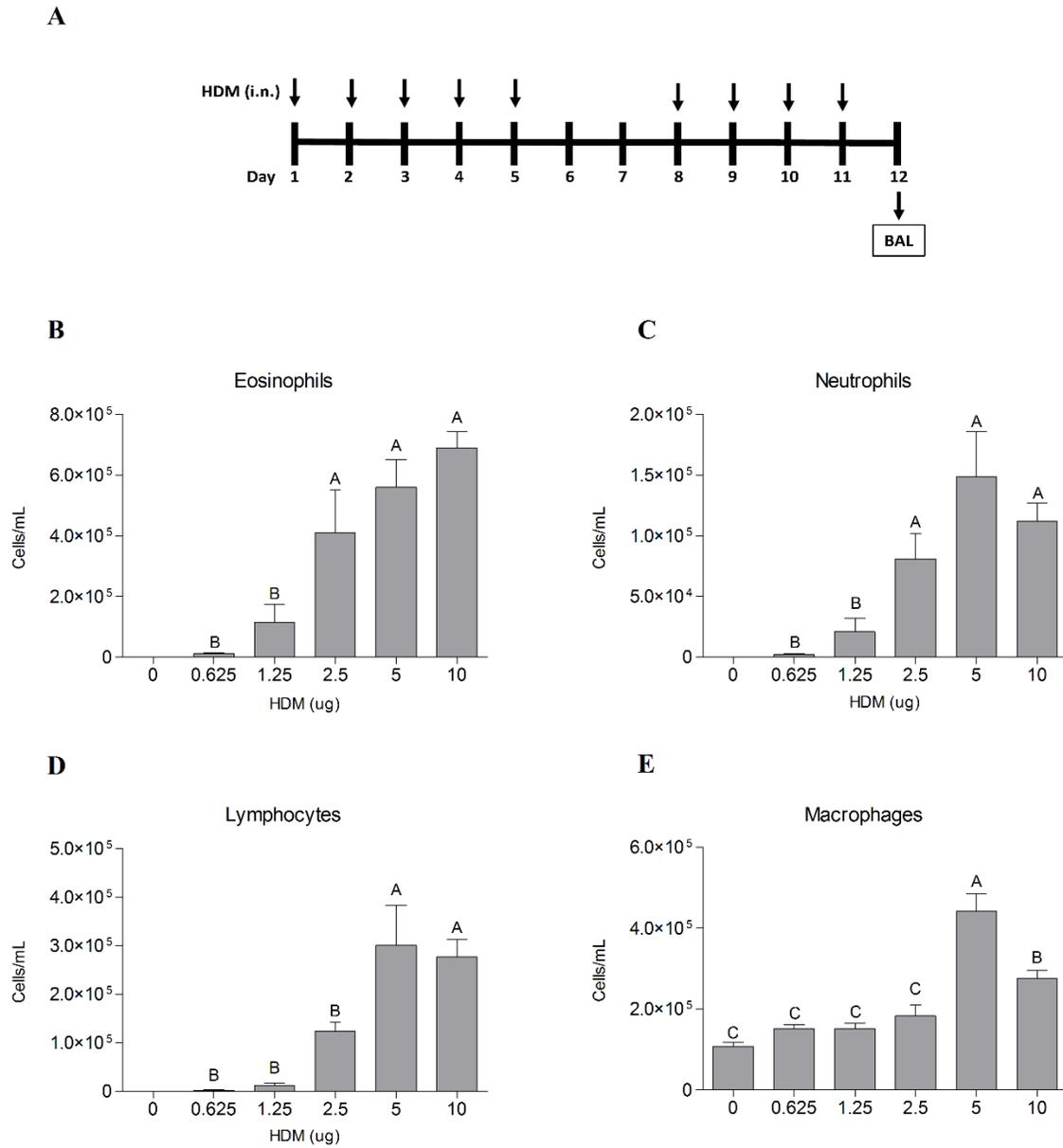
by

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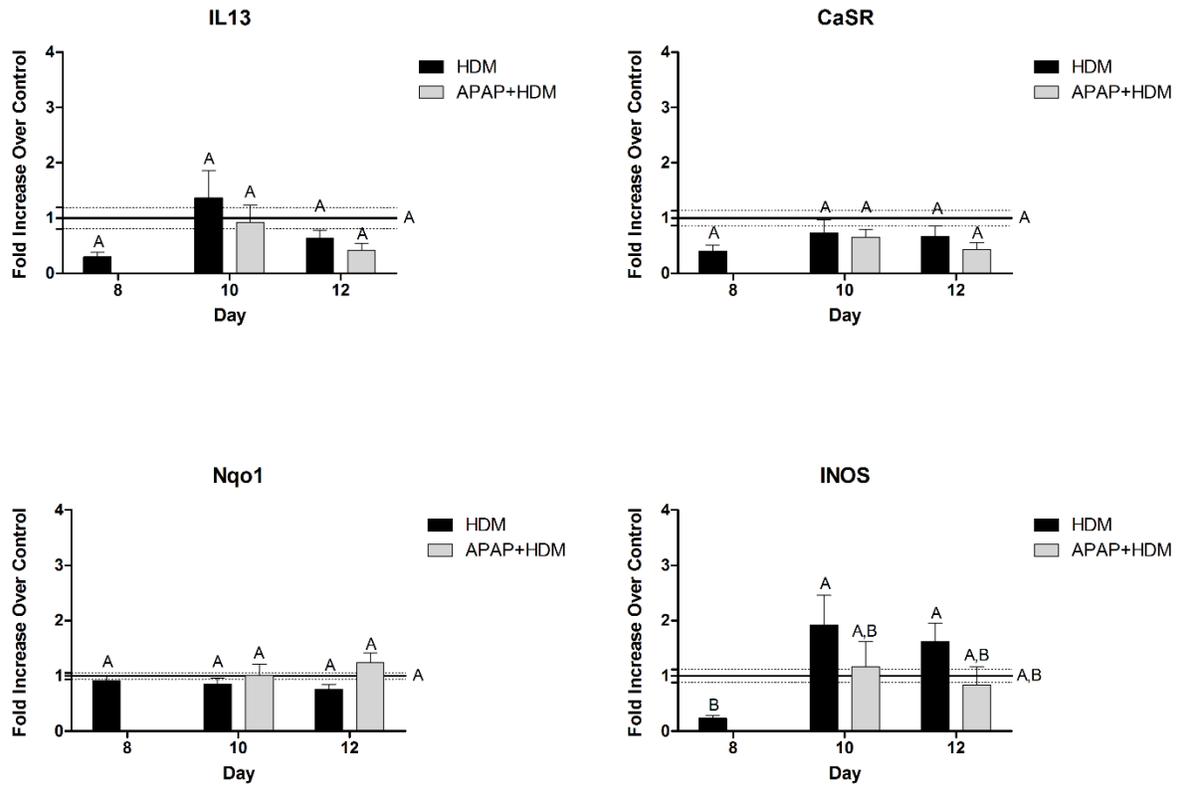
## Supplemental Figure 1



**Supplemental Figure 1.** HDM produces a dose-dependent increase in BAL cellularity. (A)

HDM model timeline. For the two-week HDM exposure model C57Bl/6J mice were anesthetized and administered from 0 to 10 $\mu$ g HDM extract in 50 $\mu$ l PBS i.n. for up to two weeks on days indicated with black arrows above the timeline. Mice were euthanized and BAL was performed on day 12. (B) Eosinophils, (C) neutrophils, (D) lymphocytes, and (E) macrophages. BAL cell data are presented as mean cells/ml  $\pm$  SEM (n=6 mice/group). Data were analyzed by ANOVA followed by Newman-Keuls test; bars with differing superscripts differ from each other at the p<0.05 level.

Supplemental Figure 2



**Supplemental Figure 2.** Time courses of gene induction in the lung for selected genes modulated by HDM and APAP. (A) *Il-13*, (B) *CaSR*, (C) *Nqo1*, (D) *iNos*. Lung tissue was collected from groups of mice on days 8, 10, and 12 of the time course experiment. For all genes analyzed, the vehicle control and APAP alone groups did not differ significantly, therefore they were combined to form pooled control group for statistical analysis. Individual gene names are indicated at the top of each figure, and data are presented as mean fold increase  $\pm$  SEM, over pooled control (black line at  $y=1$ ). Dotted lines represent control mean  $\pm$  SEM. Line and bars with differing superscripts differ at the  $p<0.05$  level (ANOVA with Newman-keuls test). Data are representative of two independent experiments ( $n=4-6$  mice/group).