Title: Immunization with an adenovirus-vectored TB vaccine containing Ag85A-Mtb32 effectively alleviates allergic asthma

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Supplementary Figure S2

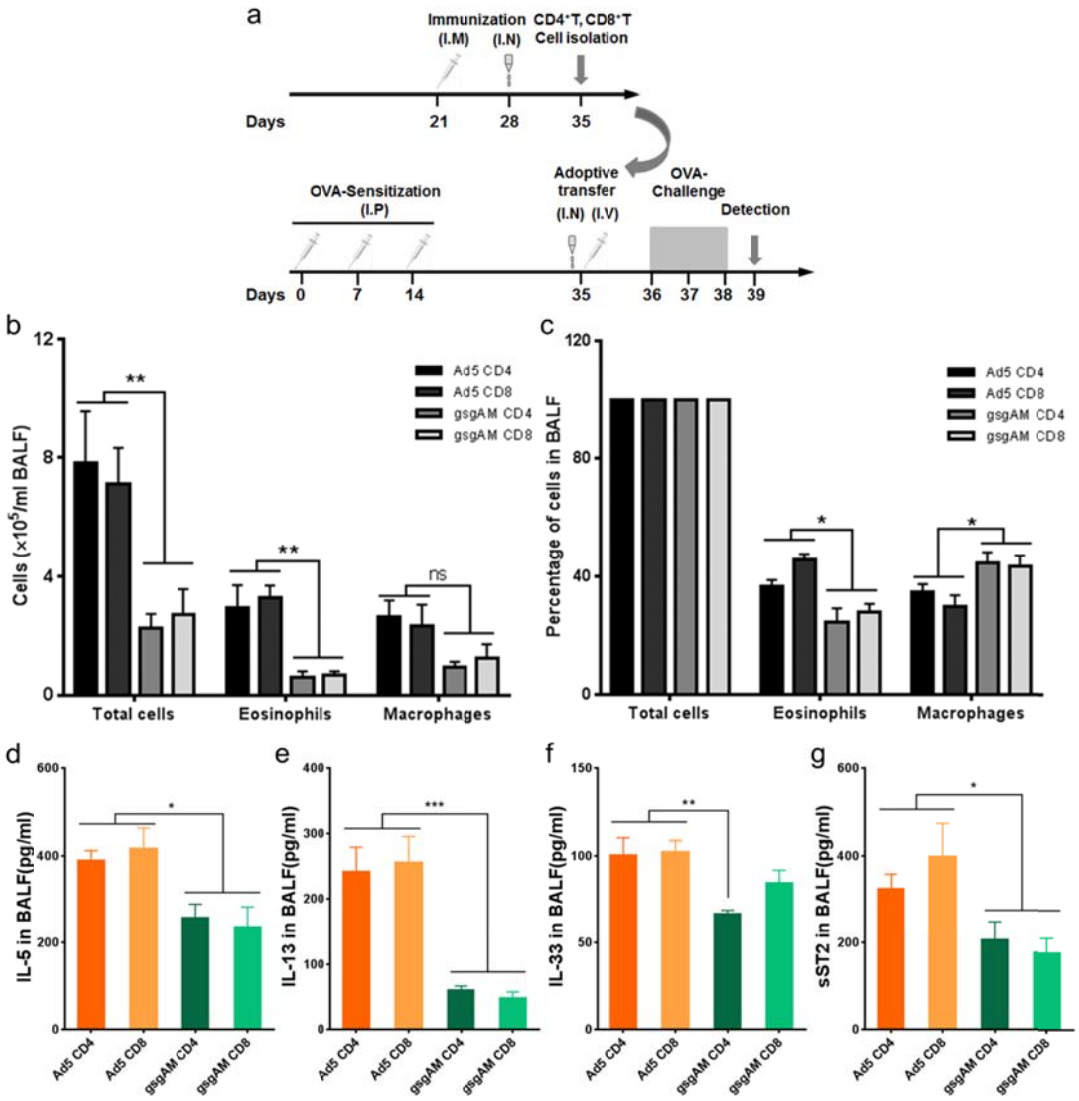

Figure S2. Ad5-gsgAM-induced CD4$^+$T and CD8$^+$T cells showed suppression on allergic airway inflammation. 6-week-old mice were immunized with Ad5-gsgAM or Ad5 through a prime-boost strategy. One week after the final immunization, CD4$^+$T and CD8$^+$T cells were isolated from the spleens and lungs. Another four groups of mice were sensitized with OVA. One day before challenge, OVA-sensitized mice were inoculated with CD4$^+$T or CD8$^+$T cells. One day after challenge, mice were euthanatized and examined. **a** Schedules of immunization, T cell

isolation, adoptive transfer and detection. **b** The absolute numbers of total cells, eosinophils and macrophages in the BALFs were counted based on H&E staining. **c** The percentages of total cells, eosinophils and macrophages in the BALFs. **d-g** The contents of IL-5 (**d**), IL-13 (**e**), IL-33 (**f**), and sST2 (**g**) in the BALFs were determined by ELISA. Data are presented as the mean ± SEM (n = 5 mice per group). Representative results from one of two independent experiments are shown. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. ns, no significance.