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Supplemental Material to:

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Nizatidine, a small molecular compound, enhances killed H5N1 vaccine cell-mediated responses and protects mice from lethal viral challenge

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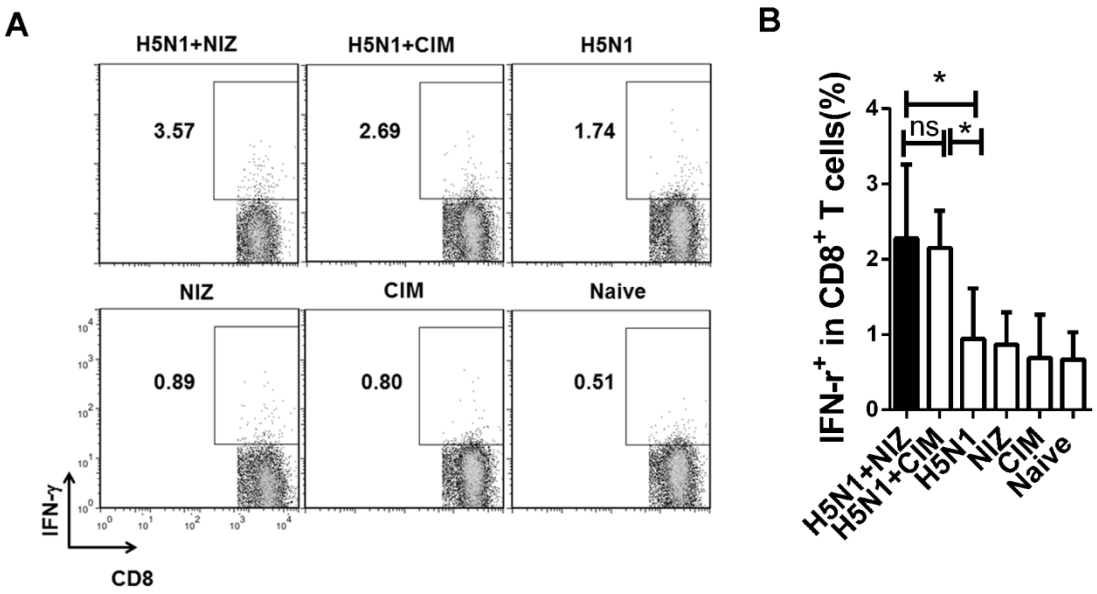
Supplementary Figure 1. Analysis of antigen-specific cytokine production in $CD8^+$ T cells. Splenic cells were isolated from C57BL/6 mice (n=6) on day 7 after immunization and stimulated with NP peptide (NP366–374 peptide representing the $CD8^+$ T-cell epitope ASNENMETM) for 6 h in culture. (A) Intracellular staining for IFN-γ gated $CD8^+$ cells was analyzed by FACS. (B) The percentages of positive-stained cells are summarized as the means from three independent experiments. All data are presented as mean ± SD. *p<0.05 compared with mice immunized with the killed H5N1 antigen alone.



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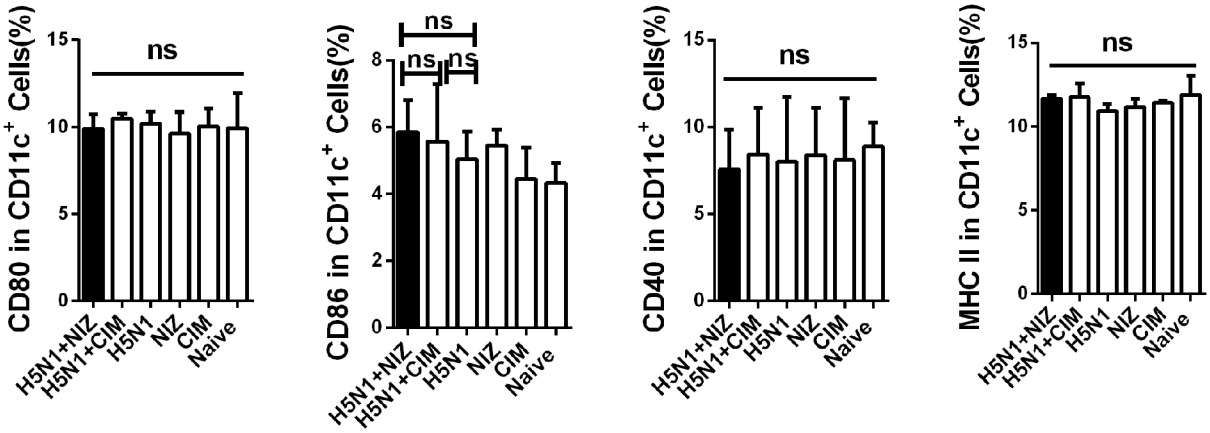
Supplementary Figure 2. Analysis of splenocytes of C57BL/6 mice after immunization with H5N1 with or without NIZ. Samples were collected on day 1 after immunization and stimulated by 1 ug/ml H5N1 killed antigen for 12 h in vitro. The $CD11c^+$ cells were gated and analyzed CD80, CD86, CD40, and MHC-II in total $CD11c^+$ cells. All data are presented as mean ± SD. *$p<0.05$ compared with mice immunized with the killed H5N1 antigen alone.



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