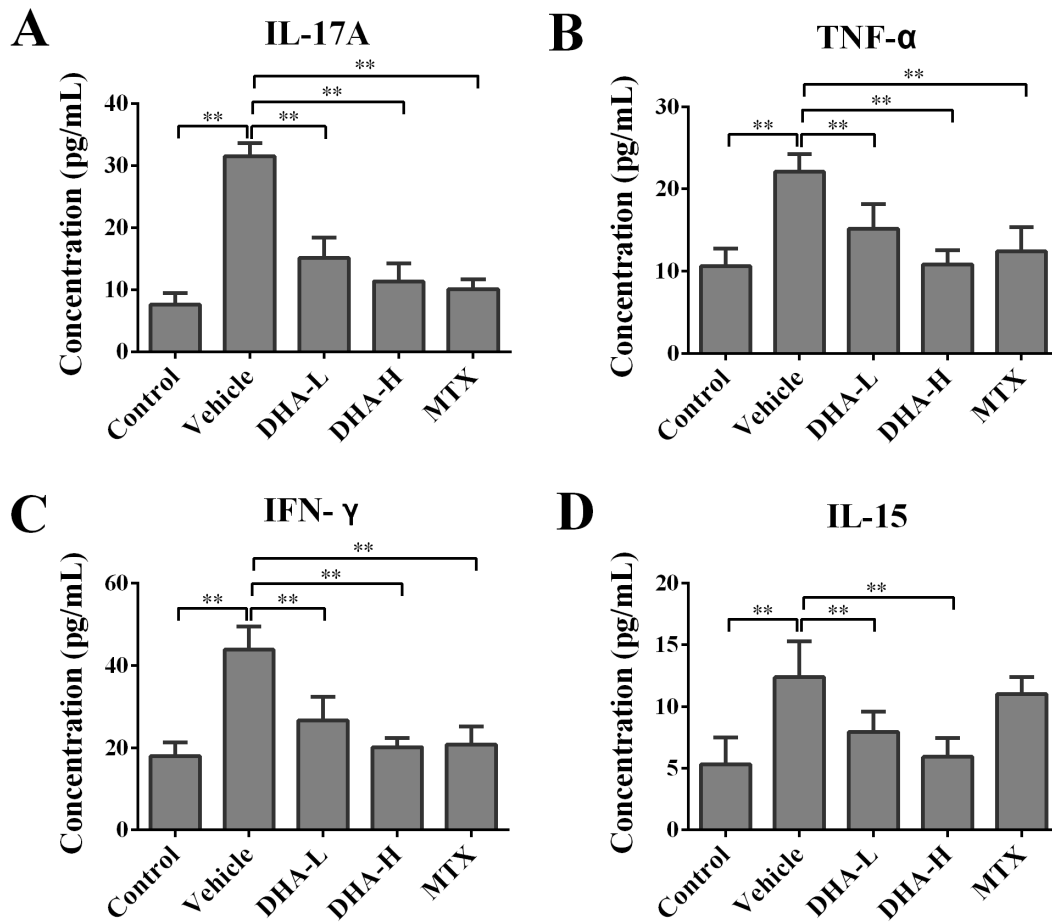


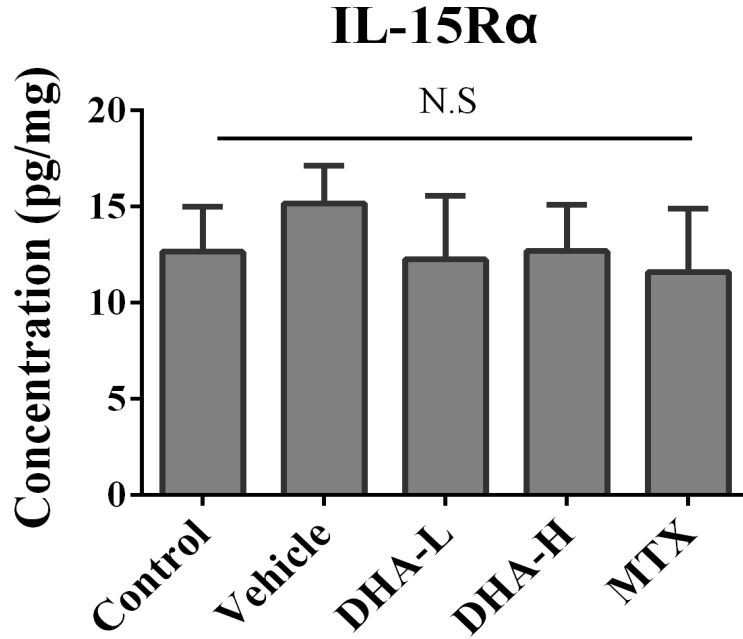
**Supplementary Figure 1S: Gating strategy**

Shown above are gating strategies for spleen and lymph node cells derived from IMQ-induced psoriatic mice for further FACS analysis of CD4+ or CD8+ T cells.



**Supplementary Figure 2S: DHA reduces protein level of IL-15 and IL-17 in the serum of IMQ-induced psoriatic mice.**

Protein level of IL-15, IL-17A, IFN $\gamma$  and TNF $\alpha$  in the serum of the IMQ-induced psoriatic mice was determined via ELISA after 7 days of the treatment with either dihydroartemisinin (DHA) or methotrexate (MTX). Data of column graphs are presented as the mean  $\pm$  SD from three separate experiments (n=5-6 mice/group, \*\*P< 0.01). DHA lowered the protein level of IL-15, IFN $\gamma$  and TNF $\alpha$  in the serum of IMQ-induced psoriatic mice.



**Supplementary Figure 3S: DHA does not significantly alter IL15R $\alpha$  level in the skin of IMQ-induced psoriatic mice.**

IL-15R $\alpha$  level in the protein solution derived from skin tissue of the IMQ-induced psoriatic mice was determined via ELISA after 7 days of treatment with either DHA MTX. Data of column graphs are presented as the mean  $\pm$  SD from three separate experiments (n=6 mice/group, N.S: Non-significant).