

***Weissella cibaria* WIKIM28 ameliorates atopic dermatitis-like skin lesions by inducing tolerogenic dendritic cells and regulatory T cells in BALB/c mice**

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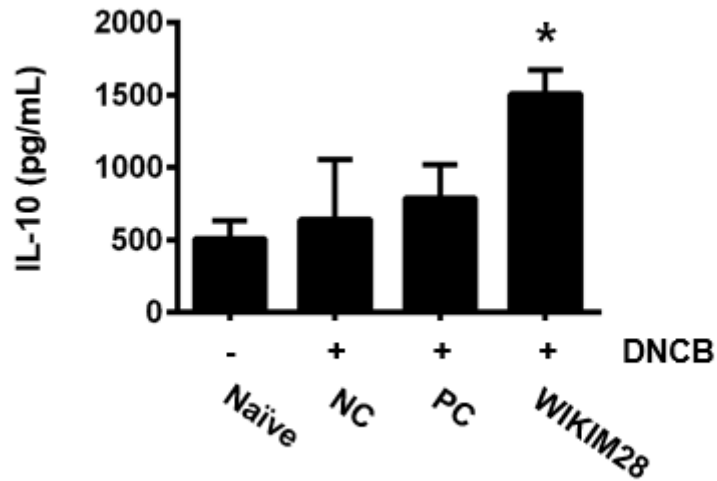
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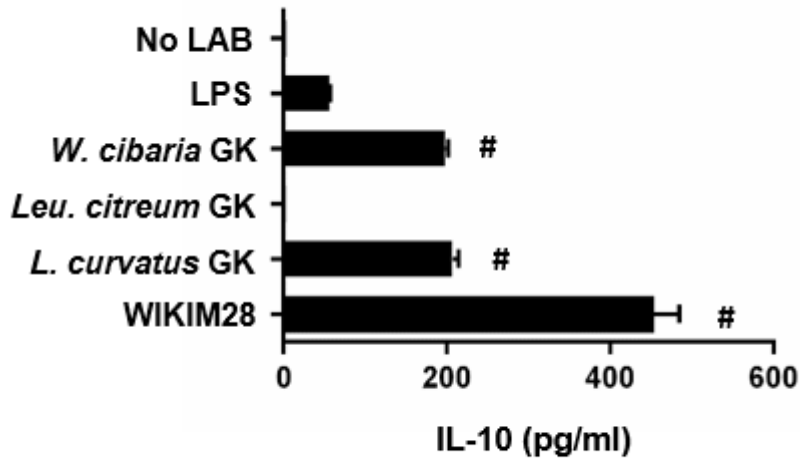
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Supplementary Figure S1. *W. cibaria* WIKIM28 increases the production of IL-10 in splenocytes of DNCB-induced AD mice.

Splenocytes were re-stimulated with anti-CD3/CD28 mAbs for 1 day, and the levels of IL-10 in the supernatant were measured. Cytokine in the supernatant were detected by a cytometric Bead Array kit. Error bars indicate SE. Data are representative of three independent experiments. * $p < 0.05$, compared to the naïve group.



Supplementary Figure S2. *W. cibaria* WIKIM28 increases the production of IL-10 in BMDCs.

The release of IL-10 by BMDCs in response to LPS (100 ng/mL) or LAB for 24 h was measured. Cytokines in the supernatant were detected by a Cytometric Bead Array kit. Error bars indicate SE. Data are representative of three independent experiments. $^{\#}p < 0.001$, compared to the negative control group (No LAB). *W. cibaria* WIKIM28 was compared with LAB isolates isolated from gatkimchi (GK) (*W. cibaria* GK, *Weissella cibaria*; *Leu. citreum* GK, *Leuconostoc citreum*; *L. curvatus* GK, *Lactobacillus curvatus*).