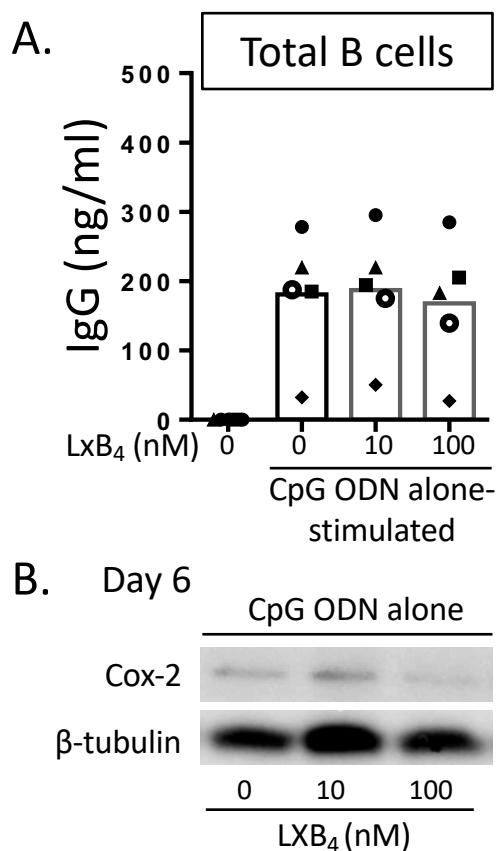


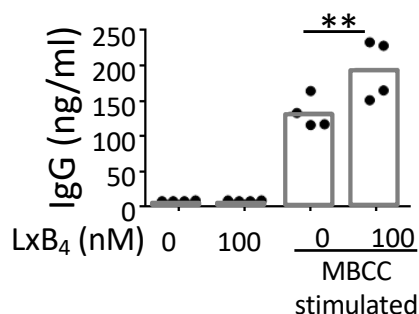
Supporting data 1. LXB₄ does not enhance antibody production in B cells stimulated with CpG ODN alone.



Supporting data 1. LXB₄ does not enhance antibody production in B cells stimulated with CpG ODN alone. CD19⁺ B cells from healthy individuals were isolated and treated with LXB₄ in nanomolar concentrations, followed by stimulation with CpG ODN for certain amount of time. (A) Cells were cultured for 7-8 days and the amount of IgG in culture supernatants was measured using an ELISA. Experiments were done using 5 different donors. (B) Cells were cultured for 6 days and cell lysates were collected to measure Cox-2 protein expression levels using western blot. Experiments were done in 2 different donors and the image from a representative donor is shown.

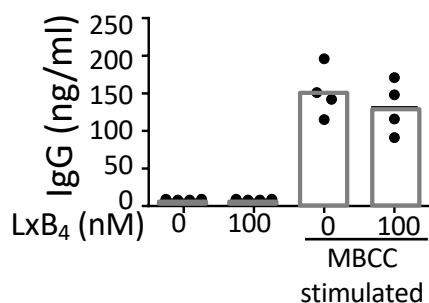
Supporting data 2. LXB₄ added starting at Day 0 but not only at day 5 and 6 enhances IgG production from human B cells in culture stimulated with MBCC.

A. Purified human B Cells
LXB₄ added at Day 0



B.

Purified human B Cells
LXB₄ added at Day 5



Supporting data 2. LXB₄ added starting at Day 0 but not only at day 5 and 6 enhances IgG production from human B cells in culture stimulated with MBCC.

CD19⁺ B cells from healthy individuals were isolated and treated with 100 nM LXB₄ or not in the presence of a memory B cell cocktail (MBCC) or not as indicated. (A) Cells were cultured for 6-7 days and LXB₄ was added starting at Day 0 and the amount of IgG in culture supernatants was measured using an ELISA. (B) Cells were cultured for 6-7 days and LXB₄ was added starting at Day 5 and the amount of IgG in culture supernatants was measured using an ELISA. Results are from 1 donor run in quadruplicate. ** p < 0.001.