

Supporting Information

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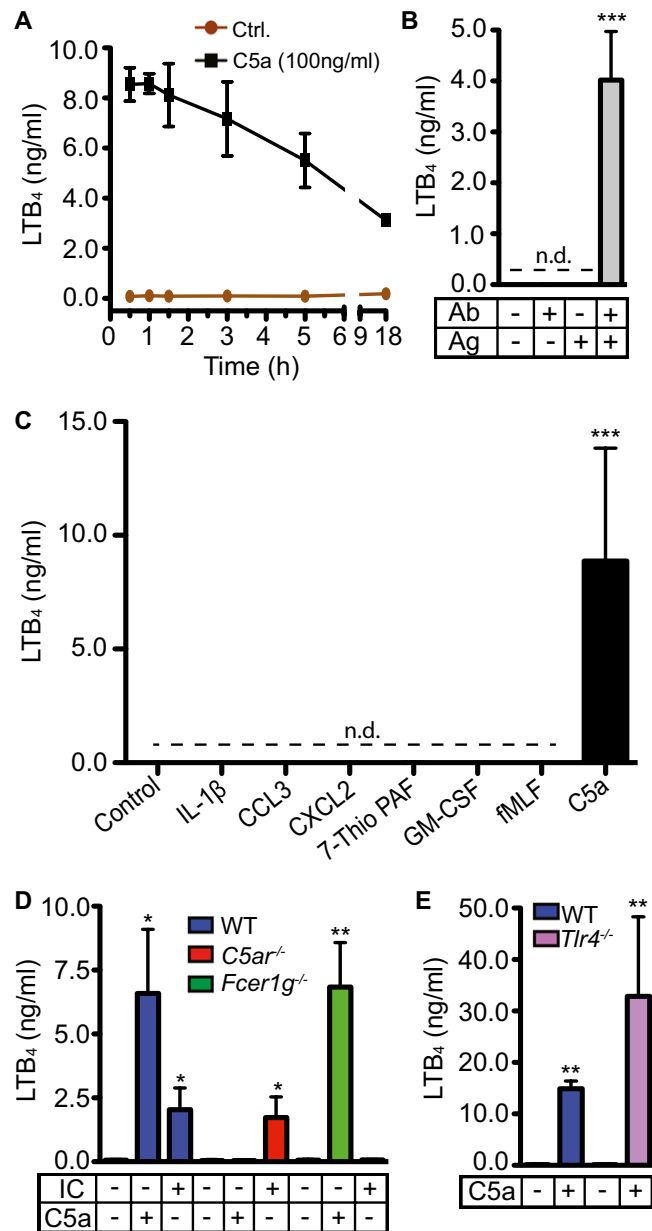


Fig. S1. Induction of leukotriene B₄ (LTB₄) release from resting PMNs in vitro. (A) Kinetic analysis of the release of LTB₄ from polymorphonuclear leukocytes (PMNs) after stimulation with recombinant murine C5a (100 ng/mL) or when left unstimulated as a control. (B) Release of LTB₄ from PMNs after stimulation with Ab, Ag, or Ab plus Ag [immune complex (IC)] for 1 h. (C) Release of LTB₄ from PMNs after stimulation with IL-1 β (10 ng/mL), CCL3 (100 ng/mL), CXCL2 (100 ng/mL), 7-thio-PAF (1 nM), GM-CSF (100 ng/mL), fMLF (100 nM), or C5a (100 ng/mL) for 1 h. (D) Release of LTB₄ from WT, C5ar^{-/-}, and Fc ϵ r1g^{-/-} PMNs after stimulation with C5a (100 ng/mL) or ICs for 18 h. (E) Release of LTB₄ from WT and Tlr4^{-/-} PMNs after stimulation with C5a (100 ng/mL) for 1 h. All data represent concentrations in the supernatant determined by ELISA, shown as mean \pm SD ($n = 3$ independent experiments). * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$ compared with unstimulated control. n.d., not detectable.

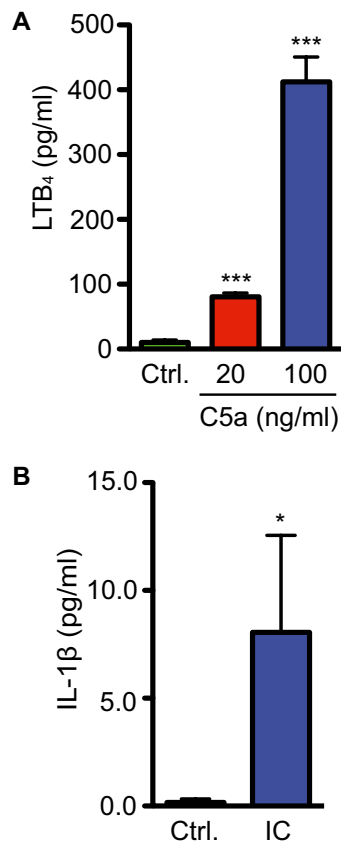
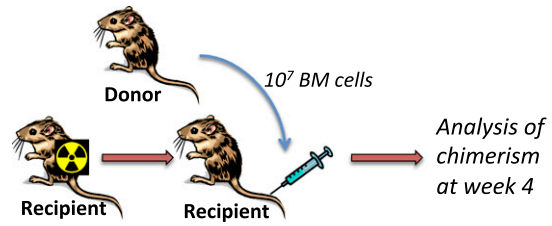


Fig. 56. C5a and ICs induce the release of LTB₄ and IL-1β, respectively, from human peripheral PMNs. Human PMNs were freshly isolated using dextrane and Ficoll from heparinized peripheral blood of healthy donors and resuspended to a cell concentration of 5×10^6 /mL in RPMI, 1% human serum, 10 mM HEPES. (A) PMNs were seeded into round-bottom polypropylene tubes. Cells were left as unstimulated controls or stimulated with 20 or 100 ng/mL human recombinant C5a, as indicated, for 1 h. Afterward, cell-free supernatants were harvested and LTB₄ contents assayed by ELISA ($n = 6$ blood donors compiled from two independent experiments). (B) PMNs were prestimulated with 50 ng/mL GM-CSF for 30 min. Afterward, PMNs were either left unstimulated or stimulated with immobilized ICs, as described in *Methods*. After 20 h cell-free supernatants were harvested and IL-1β was determined by ELISA ($n = 7$ blood donors compiled from two independent experiments). All data are presented as mean \pm SEM. * $P < 0.05$, *** $P < 0.001$ for indicated group vs. control.

Generation of bone marrow chimera



Generation of mixed bone marrow chimera

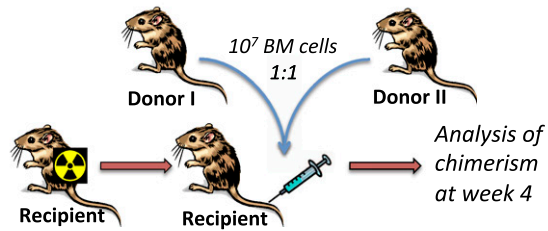


Fig. S8. Schematic of the generation of bone marrow chimeric mice.