

Supplementary Materials

Fig. S1

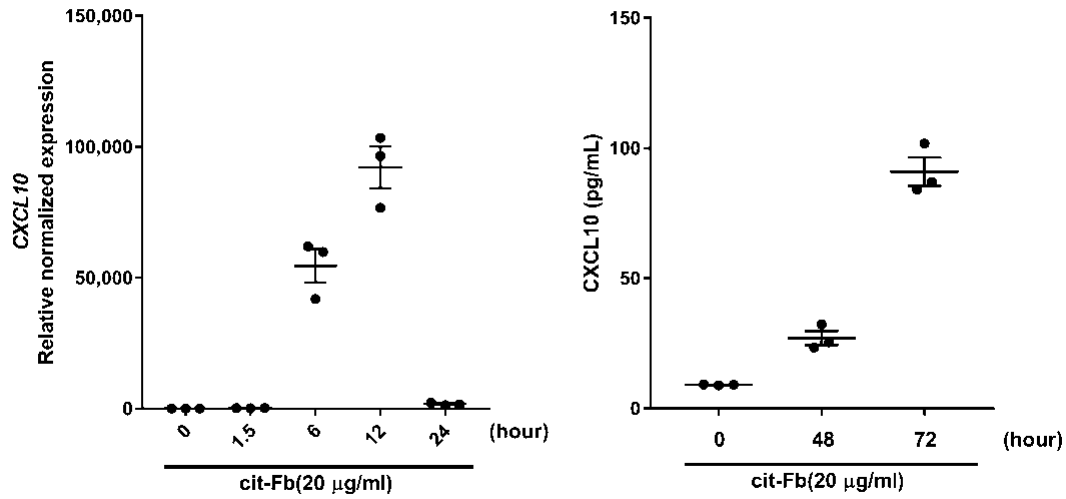


Fig. S1

Time course of cit-Fb-mediated CXCL10 gene and protein expression in rheumatoid synovial cells(RSCs). RSCs were cultured with cit-Fb (20 μ g/mL) time-dependently(0 h, 1.5 h, 6 h, 12 h, 24 h). The treated cells were subjected to qRT-PCR analysis for *CXCL10* . Data are normalized to *ACTB* and presented as mean \pm SEM (n = 3).

RSCs were cultured with cit-Fb (20 μ g/mL) time-dependently(0 h, 48 h, 72 h) , and CXCL10 levels in the cultured supernatants were determined by ELISA. Data are presented as mean \pm SEM (n = 3).

Fig. S2

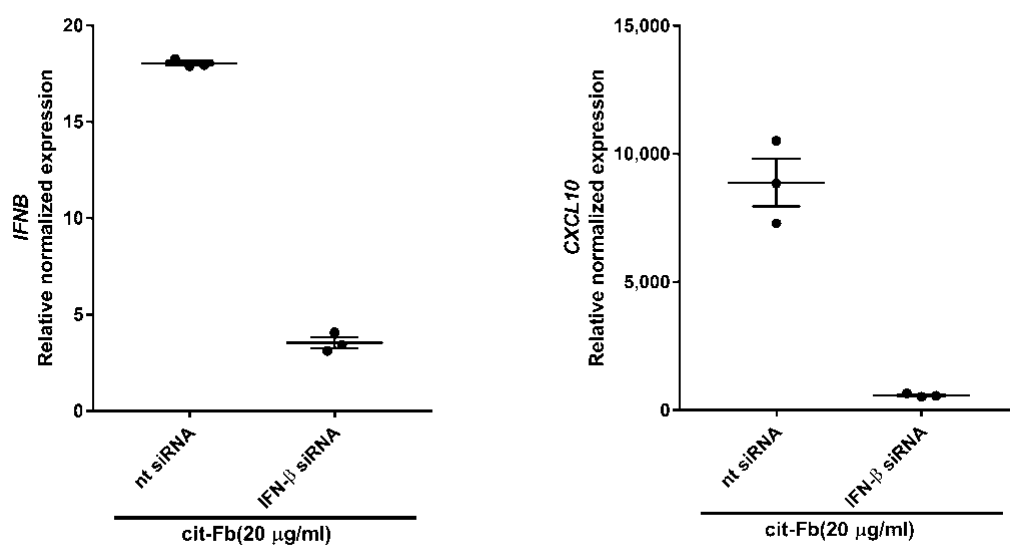


Fig. S2

Induction of CXCL10 by cit-Fb via IFN- β in rheumatoid synovial cells(RSCs). RSCs were pre-treated with IFN- β -specific siRNA or non-target (nt) siRNA for 48 h, and stimulated with cit-Fb (20 μ g/mL) for 5 h. The treated cells were subjected to qRT-PCR analysis for *IFNβ* or *CXCL10*. Data are normalized to *ACTB* and presented as mean \pm SEM (n = 3).

Fig. S3

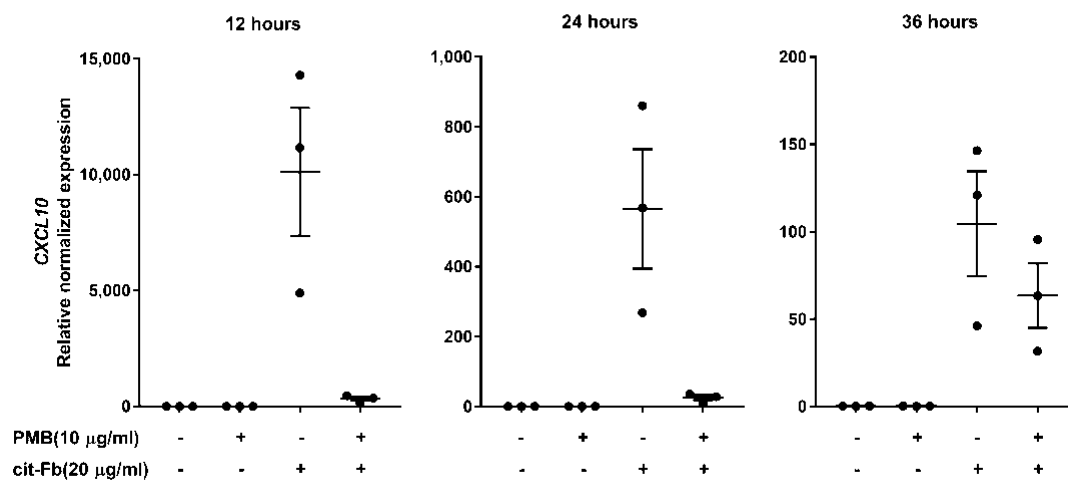


Fig. S3

Time dependent effect of cit-Fb and/or polymyxin-B(PMB) in rheumatoid synovial cells(RSCs). RSCs were cultured with cit-Fb (20 µg/mL) and/or PMB (10 µg/mL) for 12 h, 24h, and 36 h. The treated cells were subjected to qRT-PCR analysis for *CXCL10* . Data are normalized to *ACTB* and presented as mean ± SEM (n = 3).

Supplementary Table 1. Quantitative real-time PCR primer sequences for genes used in this study.

Gene	Sense	Antisense
<i>IL1B</i>	5'-CTAAACAGATGAAGTGCTCC	5'-GGTCATTCTCCTGGAAGG
<i>IL1RN</i>	5'-ATACTTGCAAGGACCAAATG	5'-TGTTAACTGCCTCCAGC
<i>TNFA</i>	5'-AGGCAGTCAGATCATCTTC	5'-TTATCTCTCAGCTCCACG
<i>IL6</i>	5'-GCAGAAAAAGGCAAAGAATC	5'-CTACATTTGCCGAAGAGC
<i>IL8</i>	5'-GTTTTTGAAGAGGGCTGAG	5'-TTTGCTTGAAGTTTCACTGG
<i>CXCL1</i>	5'-ATGCTGAACAGTGACAAATC	5'-TCTTCTGTTCTATAAGGGC
<i>CXCL5</i>	5'-ATTTGTCTTGATCCAGAAGC	5'-TCAGTTTTCCTTGTTCCAC
<i>CXCL9</i>	5'-AGGTCAGCCAAAAGAAAAAG	5'-TGAAGTGGTCTCTTATGTAGTC
<i>CXCL10</i>	5'-AAAGCAGTTAGCAAGGAAAG	5'-TCATTGGTCACCTTTTAGTG
<i>CXCL11</i>	5'-CTACAGTTGTTCAAGGCTTC	5'-CACTTTCCTGCTTTTACCC
<i>CCL2</i>	5'-AGACTAACCCAGAAACATCC	5'-ATTGATTGCATCTGGCTG
<i>CCL3</i>	5'-TCTCTGCAACCAGTTCTC	5'-AATTCTGTGGAATCTGCC
<i>CCL4</i>	5'-GCCGTGTTATTGTATTAGGT	5'-TATGAAAACACACAGAATCAAAT
<i>CCL5</i>	5'-AAGTCTCTAGGTTCTGAGC	5'-TTTTATGGTTGCATTGAGAAC
<i>CCL11</i>	5'-GATCTTCAAGACCAAATCTGG	5'-CAGAATGCATTGTAAGAAGGG
<i>CCL17</i>	5'-TTCCCCTTAGAAAGCTGAAG	5'-CTTCACTCTCTTGTTGTTGG
<i>CCL20</i>	5'-TATATTGTGCGTCTCCTCAG	5'-GCTATGTCCAATTCCATTCC
<i>COX2</i>	5'-AAGCAGGCTAATACTGATAGG	5'-TGTTGAAAAGTAGTTCTGGG
<i>IFNA</i>	5'-ATCTGGTCCAACATGAAAAC	5'-GGGTGAGAGTCTTTGAAATG
<i>IFNB</i>	5'-ATTCTAACTGCAACCTTTCG	5'-GTTGTAGCTCATGGAAAGAG
<i>IFNG</i>	5'-GGTAACTGACTTGAATGTCC	5'-TTTTCGCTTCCCTGTTTTAG
<i>TLR4</i>	5'-GATTTATCCAGGTGTGAAATCC	5'-TATTAAGGTAGAGAGGTGGC
<i>ACTB</i>	5'-GACGACATGGAGAAAATCTG	5'-ATGATCTGGGTCATCTTCTC