

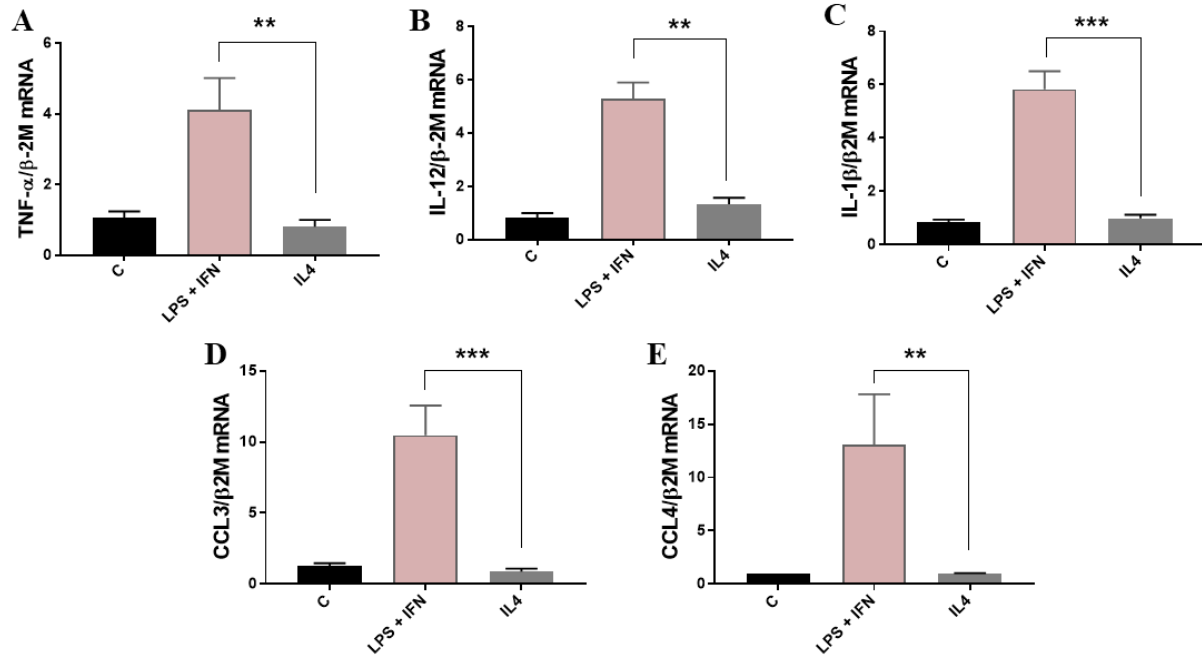
Supplementary material

Supplementary table S1:

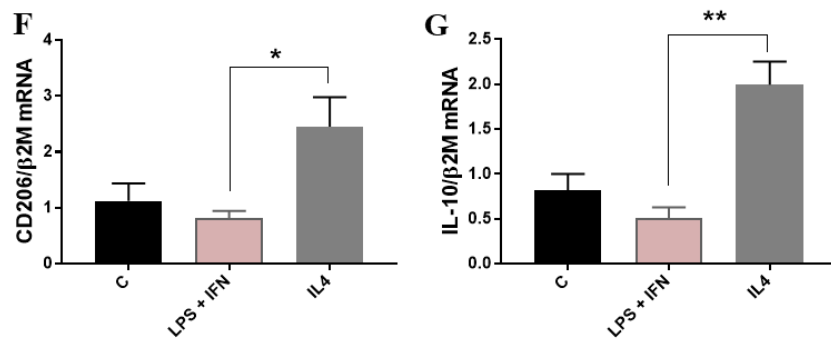
Table S1. The sequences of oligonucleotide primers used for evaluation of gene expression.

Gene (Human)	Sequences of Oligonucleotide Primers
TNF α	GGTGCCTATGTCTCAGCCTCT CATCGGCTGGCACCAGTAGTT
IL1 β	AGAGTGGAGCCTGGTCTTACA CCTTTGCTGACAATAAGCACTGG
S100A8	ATGCCGTCTACAGGGATGAC ACTGAGGACACTCGGTCTCTA
S100A9	TCCTCGGCTTTGACAGAGTG GCCCCAGCTTCACAGAGTAT
CD206	GGGTTGCTATCACTCTCTATGC TTTCTTGTCTGTTGCCGTAGTT
IL10	GCTCTTACTGACTGGCATGAG CGCAGCTCTAGGAGCATGTG
TGF- β	CAAGCAGAGTACACACAGCAT TGCTCCACTTTTAACTTGAGCC
MerTK	CTCTGGCGTAGAGCTATCACT AGGCTGGGTGTTGGTGAAAACA
CD36	AAGCCAGGTATTGCAGTTCTTT GCATTTGCTGATGTCCAGCACA
CX3CR1	CACACCGTCATCAGCATTGA GGTAGTCACCAAGGCATTTCATT
Integrin α v	GCTGTCGGAGATTTCAATGGT TCTGCTCGCCAGTAAAATTGT
Integrin β 5	GGAAGTTCGGAAACAGAGGGT CTTTCGCCAGCCAATCTTCTC
MFG-E8	CCTGCCACAACGGTGGTTTAT CACATTTTCGTCTCACAGTGGTT
KLF	CAGCTTCACCTATCCGATCCG GACTCCCTGCCATAGAGGAGG
PPAR γ	ACCAAAGTGCAATCAAAGTGGA ATGAGGGAGTTGGAAGGCTCT
Nur77	GGCTCGGGGATACTGGATACA CTGGCATGAAGCGTTGTCC

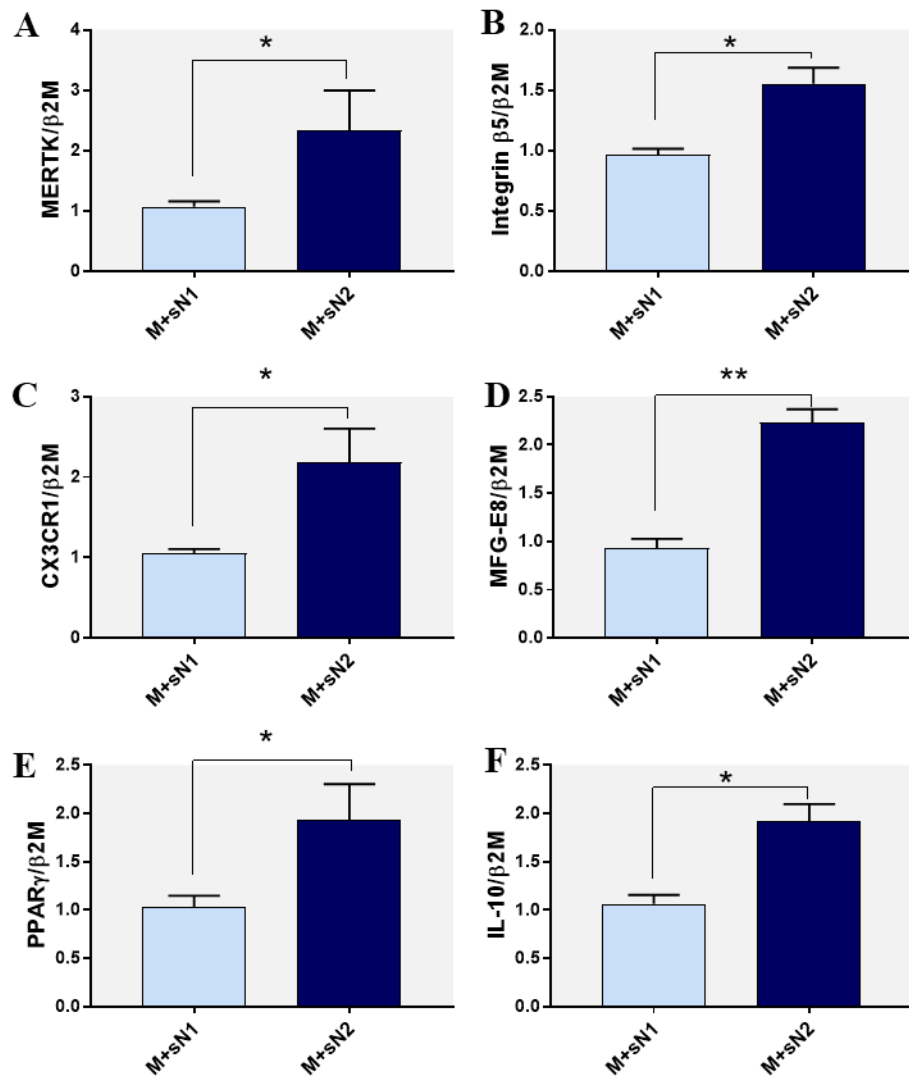
i) Inflammatory Markers



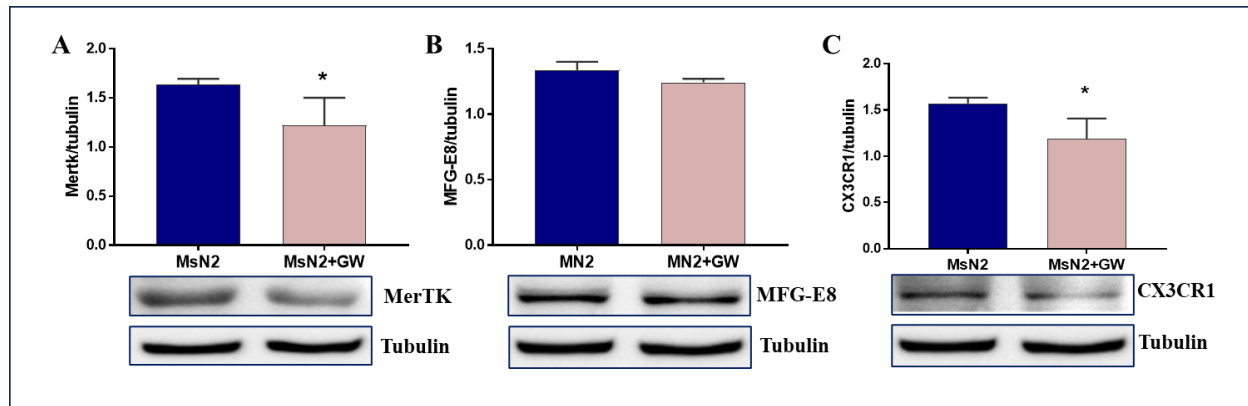
ii) Anti-inflammatory Markers



Supplementary Figure S1. Inflammatory/anti-inflammatory markers in human neutrophils polarized in N1 or in N2 neutrophils. A – E. Gene expression of inflammatory markers TNF α , IL-12, IL-1 β , CCL3, and CCL4 in human neutrophils polarized for 2h with LPS+IFN γ (N1) or IL-4 (N2), and in control neutrophils (C). F, G. Gene expression of anti-inflammatory markers IL-10 and CD206, in N1, N2 and C neutrophils. n=5, *p<0.05, **p<0.01, ***p<0.001, (N1 vs. N2).



Supplementary Figure S2. Effect of N1/N2 neutrophil secretome on human macrophages derived from U937 monocytic line. A – C. Gene expression of receptors involved in efferocytosis process MerTK, integrin $\beta 5$, and CX3CR1; D. Gene expression of MFG-E8 bridge molecule; E. Gene expression of PPAR γ transcription factor, and F. Gene expression of IL-10 anti-inflammatory molecule in macrophages derived from U937 exposed to N1/N2 conditioned media. n=2 (2 experiments with 2 wells/experiment), *p<0.05, **p<0.01, (N1 vs. N2).



Supplementary Figure S3. *PPAR γ* inhibitor GW9662 reduces the expression of MerTK and CX3CR1 efferocytosis receptors. (A, C) Protein expression of MerTK, MFG-E8, and CX3CR1 in lysate of macrophages exposed to sN2 in the absence (MN2) or presence of 10 μ M GW9662 inhibitor (MN2+GW). The data represent mean \pm SD from three different experiments, * p <0.05.

