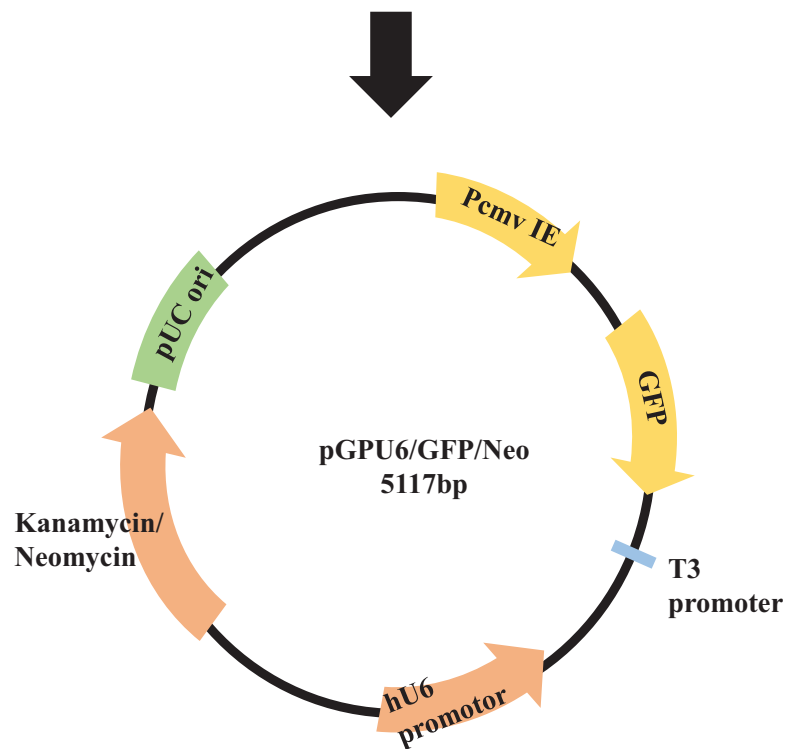
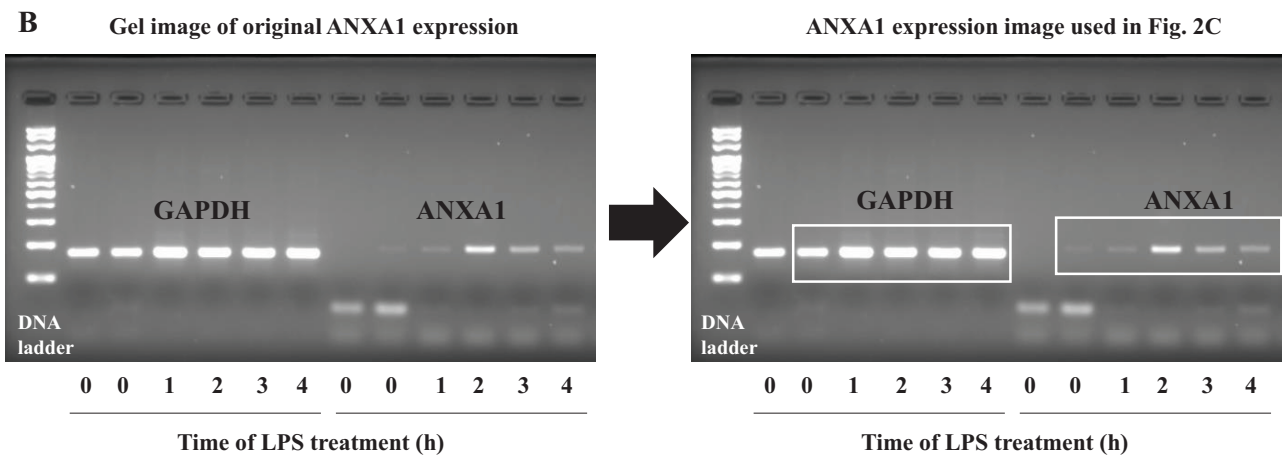
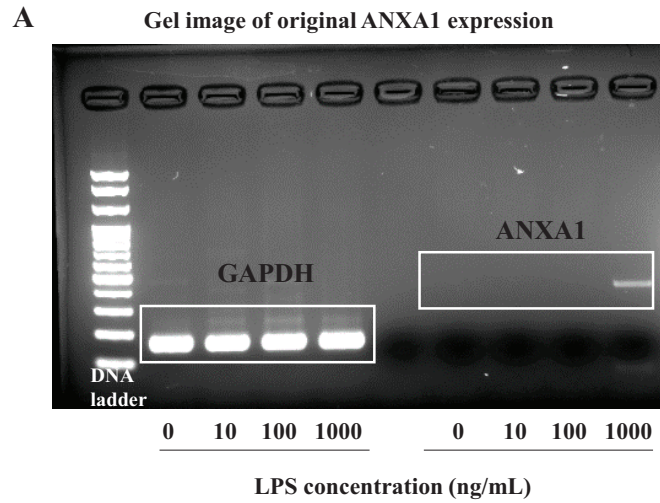


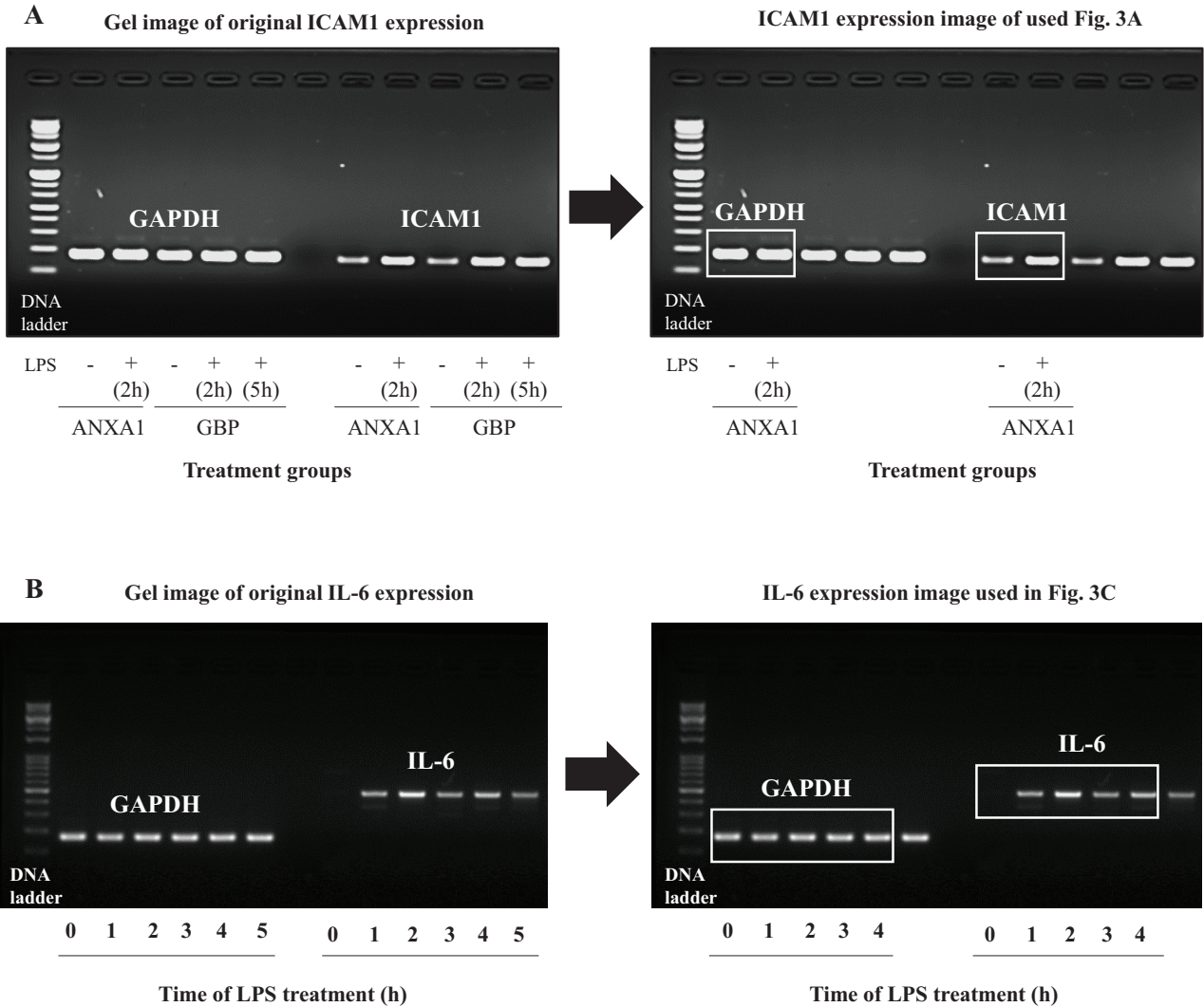
shA	GCCATGAAGGGACTTGGAAACA
shB	GGACTTGAGTGTGAATCAAGA
shC	GCAGAGTGTTTCAGAATTACG
shD	GGAACTCGCCATAAGGCATTG



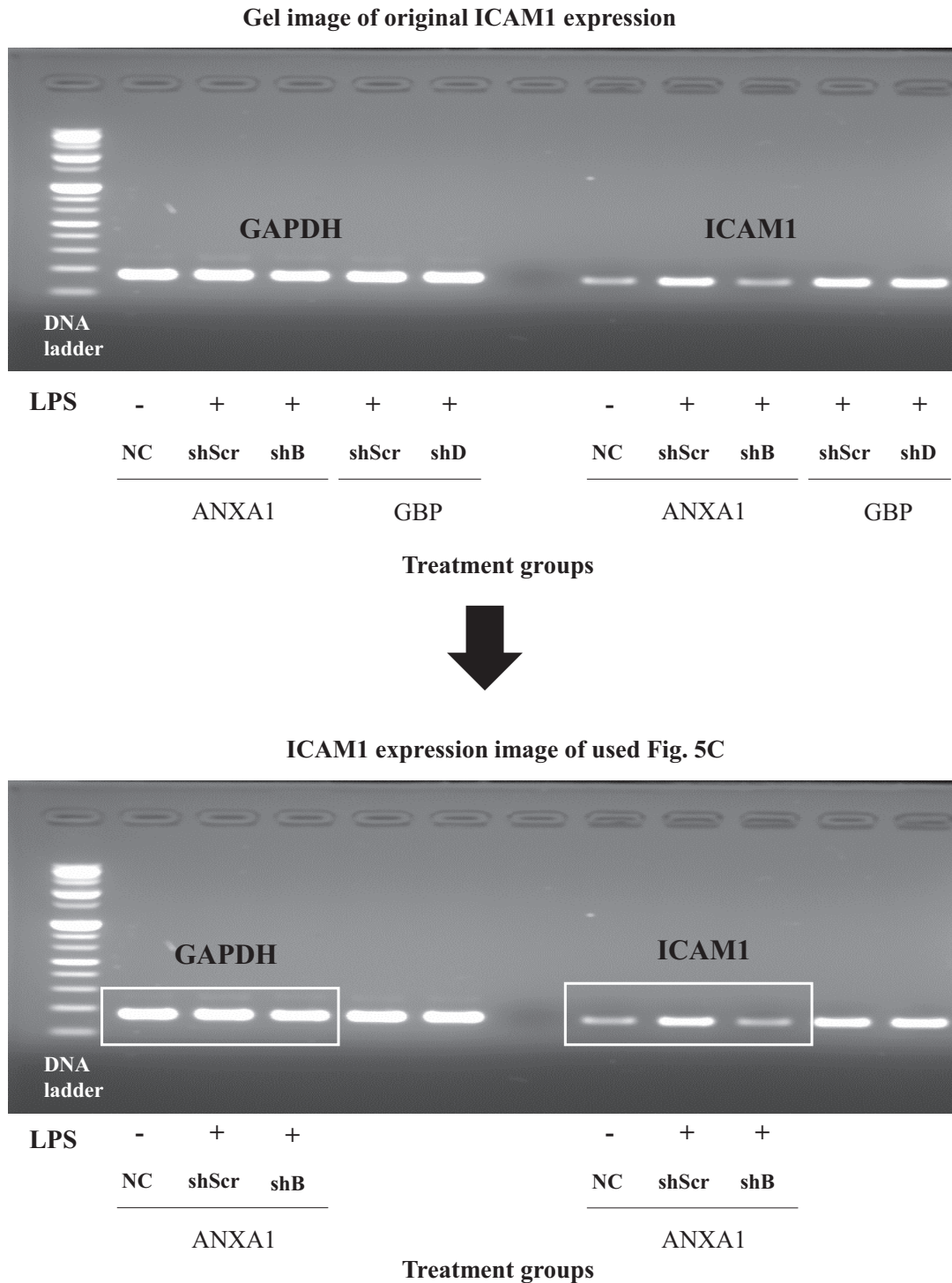
Supplementary Fig. S1. Knockdown efficiency of ANXA1 in BV2 microglia by various shRNAs. Various shRNA for knock-down of ANXA1 were generated 4 kinds of RNAi. The vector for shRNA expression was used pGPU6/GFP/Neo and it coexpresses GFP fusion protein.



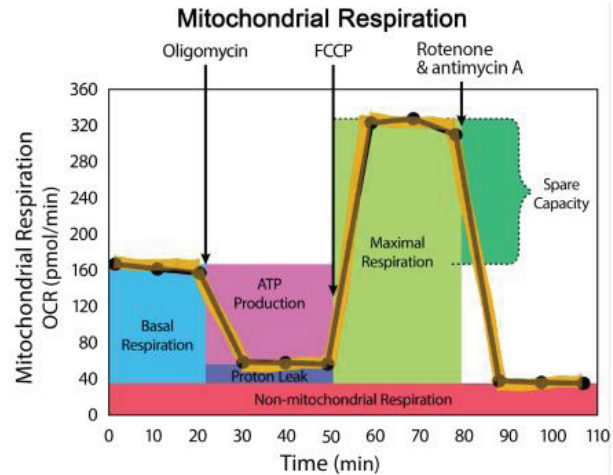
Supplementary Fig. S2. Original full-length gel images of gel results used in Fig 2A and 2C. We used the gel images from different parts of the same gel. (A) ANXA1 expression according to LPS concentration used in Fig. 2A. (B) Gel images used in Fig. 2C according to the time of LPS treatment. The expression of ANXA1 showed a decreasing tendency after 2 h.



Supplementary Fig. S3. Original full-length gel images of gel results used in Figs. 3A and 3C. We used the gel images from different parts of the same gel. (A) Biomarker (ICAM1) confirmation for M1 type polarization of microglial cells treated with LPS used in Fig. 3A. In this study, ANXA1 and M1 type population experiment by other gene (GBP) were performed together and we only used the results of ANXA1. (B) Confirmation of IL-6 pro-inflammatory cytokine expression of microglial cells treated with LPS time dependent manner.



Supplementary Fig. S4. Original full-length gel images of gel results used in Fig. 5C. We used the gel images from different parts of the same gel. We confirmed biomarker (ICAM1) for M1 type polarization by shRNA-B (shB)-ANXA1 treatment in activated microglial cells used in the result of Fig. 5C. In this experiment, M1 type population experiment by other gene (GBP) were performed together and we only used the result of ANXA1.



Supplementary Fig. S5. Seahorse Bioscience: Supporting Information.

The Seahorse XFp Cell Mito Stress Test determines key parameters of mitochondrial function by directly measuring the oxygen consumption rate (OCR) of cells. Sequential compound injections measure basal respiration, ATP production, proton leak, maximal respiration, spare respiratory capacity, and nonmitochondrial respiration.

Cited site address : <https://www.agilent.com/ko-kr/product/cell-analysis/real-time-cell-metabolic-analysis/xf-analyzers/seahorse-xf-hs-mini-analyzer-770502>

Cited paper : Pelgrom, L.R., van der Ham, A.J., and Everts, B. (2016). Analysis of TLR-Induced Metabolic Changes in Dendritic Cells Using the Seahorse XF e 96 Extracellular Flux Analyzer. In Toll-Like Receptors (Springer), pp. 273-285.