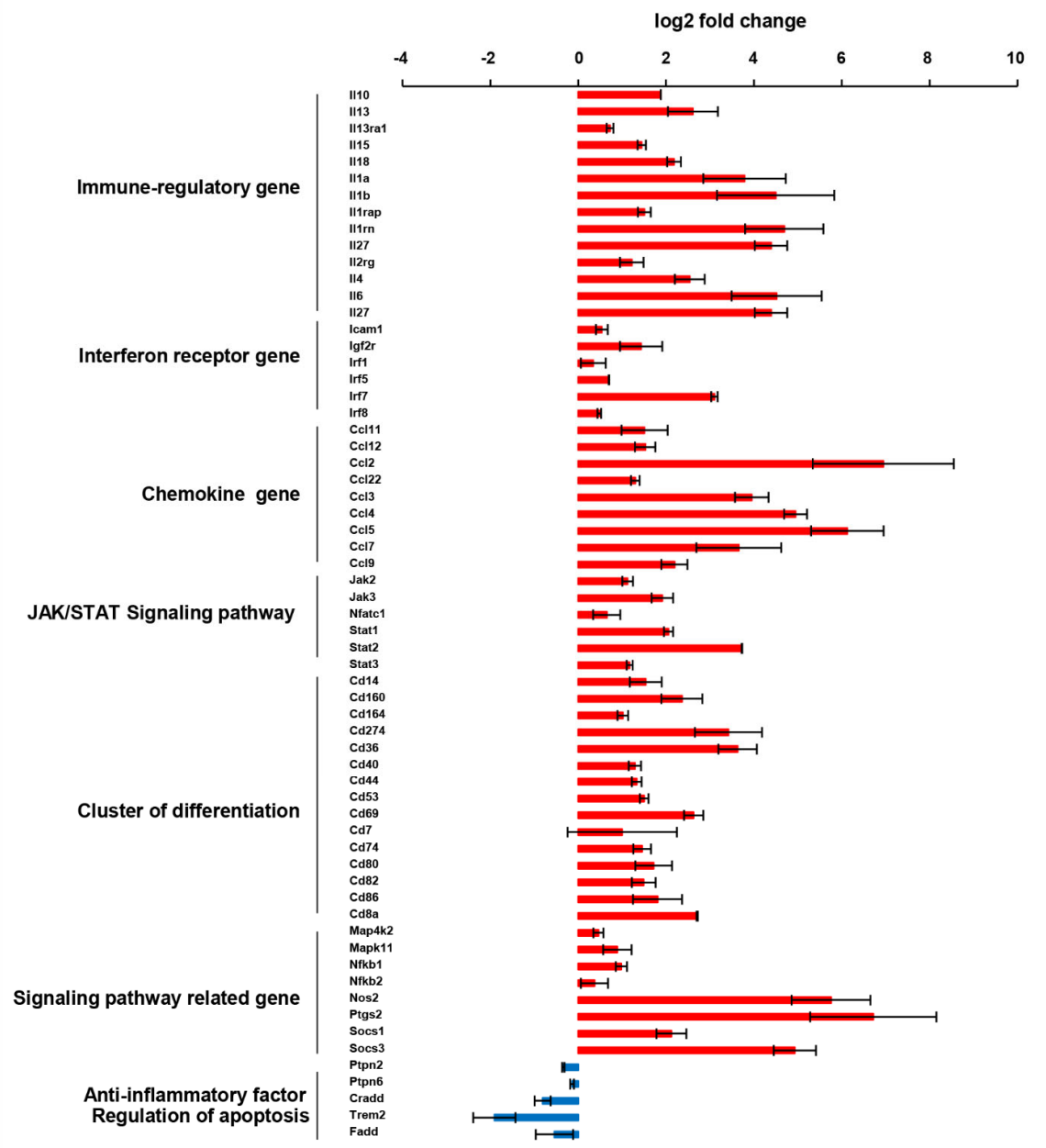
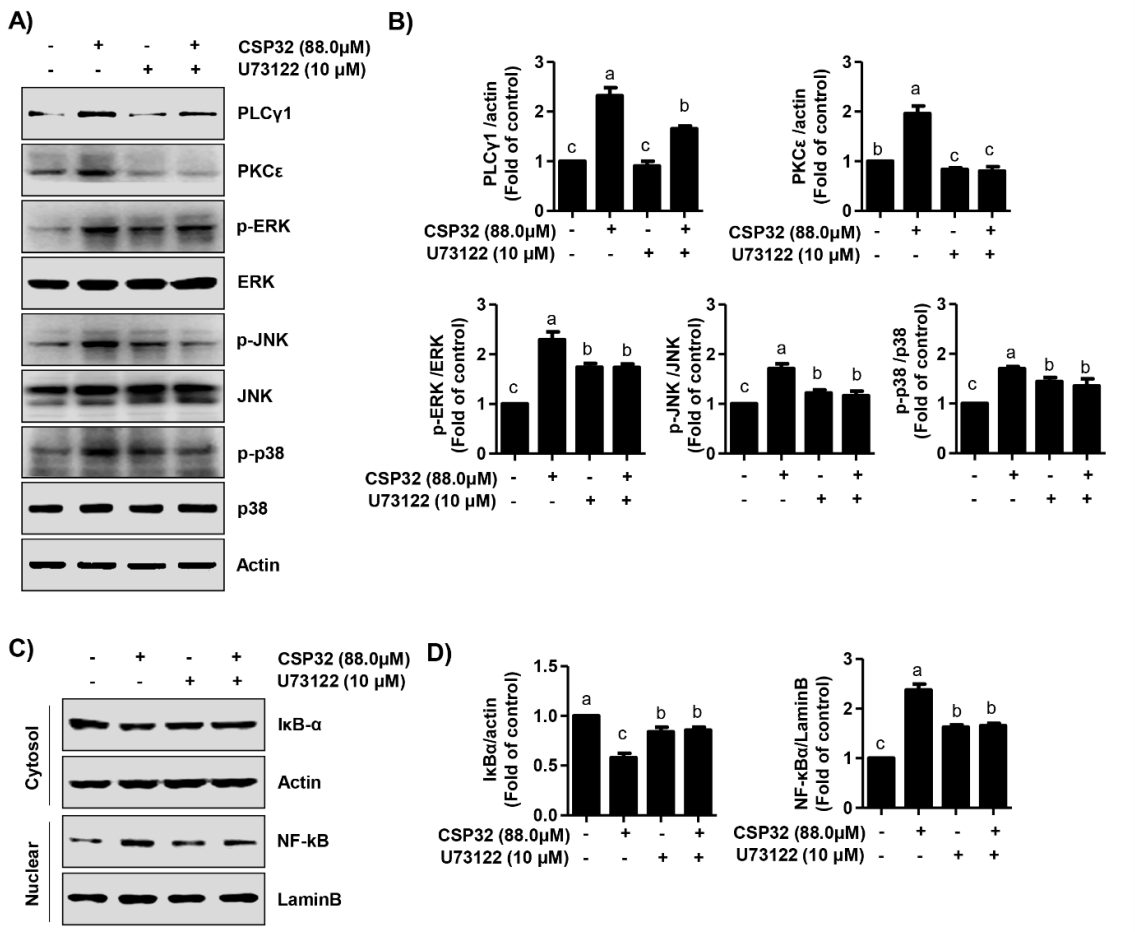
Supplementary Table S1. Primary and secondary antibodies used for immunoblotting.

Antibodies	Supplier	Item No.	Dilution
Actin	Santa Cruz Biotechnology, Inc.	sc-1615	1:2,000
COX-2	Santa Cruz Biotechnology, Inc.	sc-19999	1:1,000
ERK	Cell Signaling Technology (Beverly, MA, USA)	#1647	1:1,000
IκB-α	Santa Cruz Biotechnology, Inc.	sc-371	1:1,000
IL-1β	Santa Cruz Biotechnology, Inc.	sc-7884	1:500
iNOS	BD Biosciences (San Jose, CA, USA)	610333	1:1,000
JNK	Cell Signaling Technology	#9252	1:1,000
Lamin B1	Santa Cruz Biotechnology, Inc.	sc-374015	1:1,000
NF-κB p65	Santa Cruz Biotechnology, Inc.	sc-109	1:1,000
p38 MAPK	Santa Cruz Biotechnology, Inc.	sc-535	1:1,000
phosphor-ERK	Cell Signaling Technology	#9106	1:1,000
phosphor-JNK	Cell Signaling Technology	#9255	1:1,000
phosphor-p38 MAPK	Cell Signaling Technology	#9211	1:1,000
PKCα	Abcam Inc. (Cambridge, UK)	ab4124	1:500
PKCβ	Abcam Inc.	ab32026	1:500
PKCε	Abcam Inc.	ab63638	1:500
PLCγ1	Santa Cruz Biotechnology, Inc.	sc-7290	1:500
TNF-α	Cell Signaling Technology	#3707	1:1,000
goat anti-mouse IgG-HRP	Santa Cruz Biotechnology, Inc.	sc-2005	1:1,500
goat anti-rabbit IgG-HRP	Santa Cruz Biotechnology, Inc.	sc-2004	1:1,500



Supplementary Figure S1. Histogram shows the log2-fold change of each genes in expression between untreated cells and 88.0 μM CSP32-treated cells. Total RNA was collected by harvesting the CSP32- and LPS-treated cells after 24 h (n=2). The raw data were normalized using housekeeping genes, and fold change data was log2-transformed.



Supplementary Figure S2. CPS32-mediated M1 macrophage polarization regulates by PLC signaling pathway. Cells were pretreated with or without 10 μM U73122, a PLC inhibitor, for 30 min and then incubated with the 88.0 μM of CSP32 for 2 h. (A) Total cell lysates were examined by Western blotting. β-actin was used as an internal control. (C) Cytoplasmic and nuclear lysates were examined by Western blotting for IκB-α and NF-κB. Actin and lamin B1 serve as the internal controls for the cytoplasmic and nuclear lysates, respectively. (B and D) Quantitative analysis of protein expression. The expression of each protein was indicated as a fold change relative to the control. Data are expressed as the mean ± SD (n=3). [a-c]Bars with different letters are significantly different at $p<0.05$.