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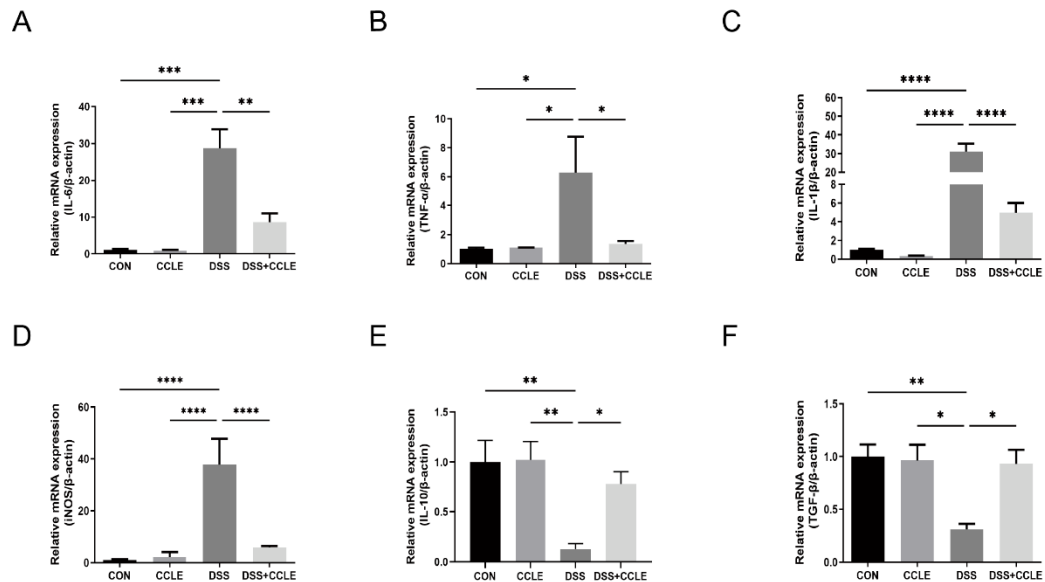
I. Supplemental Figures

Supplemental Figure S1 to S3

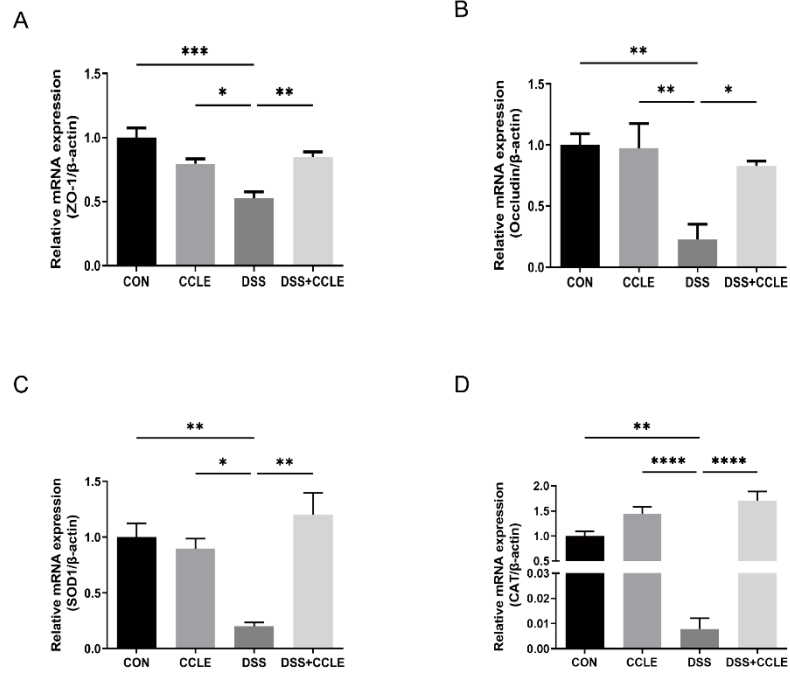
II. Supplemental Tables

Supplemental Table S1

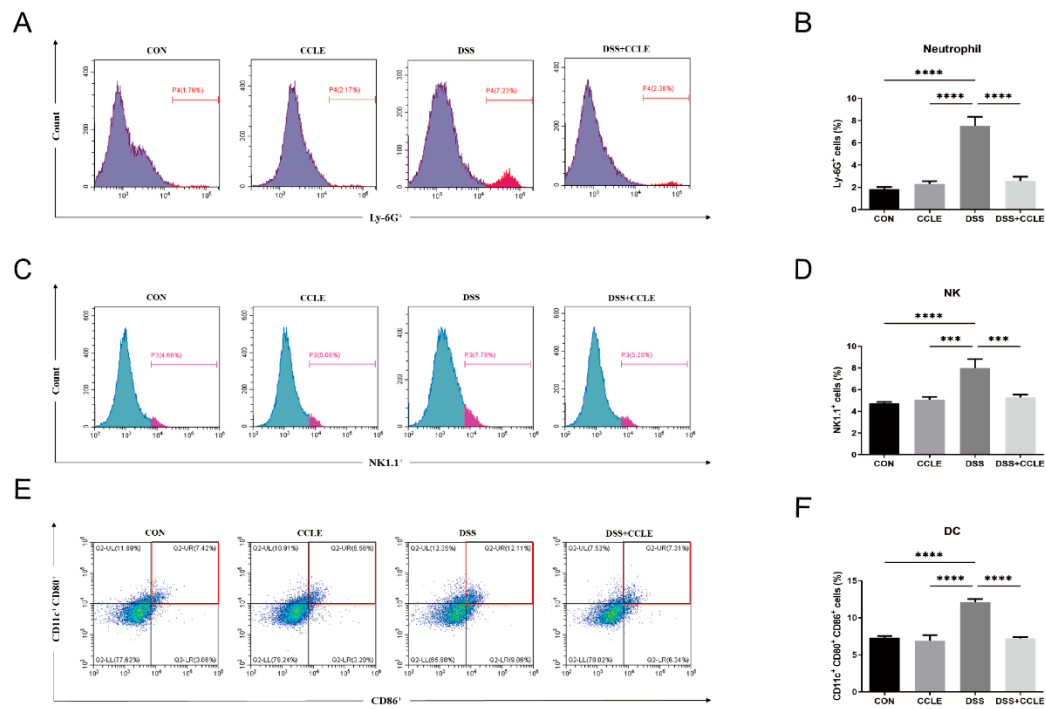
I. Supplemental Figures



Supplemental Figure S1. Effect of CCLE on cytokine. Quantitative analysis of mRNA levels of (A) IL-6, (B) TNF- α , (C) IL-1 β , (D) iNOS, (E) IL-10, and (F) TGF- β in colon tissues. Data are expressed as mean $\pm$ SEM ($n = 3$). * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$.



Supplemental Figure S2. Effect of CCLE on Tight Junction Proteins and Oxidant Enzymes. Quantitative analysis of mRNA levels of (A) ZO-1, (B) Occludin, (C) SOD1, and (D) CAT in colon tissues. Data are expressed as mean $\pm$ SEM ($n = 3$). * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$.



Supplemental Figure S3. Effect of CCLE on splenic immune cells of DSS-induced IBD mice. Flow cytometry analysis of (A) neutrophils (Ly6G⁺), (C) NK cells (NK1.1⁺), and (E) dendritic cells (CD11c⁺ CD80⁺ CD86⁺). Quantitative analysis of (B) neutrophils (Ly6G⁺), (D) NK cells (NK1.1⁺), and (F) dendritic cells (CD11c⁺ CD80⁺ CD86⁺) in splenic immune cells of DSS-induced IBD mice. Data are expressed as mean $\pm$ SEM ($n = 3$). *** $p < 0.001$, **** $p < 0.0001$.

II. Supplemental Tables

Supplemental Table S1. Primers for qRT-PCR.

Target Gene	Forward primer (5'→3')	Reverse primer (5'→3')
IL-6	TAGTCCTTCCTACCCCAATTTCC	TTGGTCCTTAGCCACTCCTTC
TNF- α	TACTGAACTTCGGGGTGATTGGT CC	CAGCCTTGTCCTTGAAGAGAAC C
IL-1 β	CCTCGTGCTGTCTGGACCCATA	CAGGCTTGTGCTCTGCTTGTGA
IL-10	CTTCGAGATCTCCGAGATGCC TTC	ATTCTTCACCTGCTCCACGGC CTT
TGF- β	GAAGGCAGAGTTCAGGGTCTT	GGTTCCTGTCTTTGTGGTGAA
iNOS	GACGAGACGGATAGGCAGAG	CACATGCAAGGAAGGGAAC
ZO-1	GGGAAAACCCGAACTGATG	GCTGTACTGTGAGGGCAACG
Occludin	ATAATGGGAGTGAACCCGACG	CGATCCATCTTTCTTCGGGTTT
SOD1	CAGGACCTCATTTTAATCCTCAC	TGCCCAGGTCTCCAACAT
CAT	GGCACACTTTGACAGAGAGCGG AT	AGTTTTTGATGCCCTGGTCGGTCT
NRF2	GCCCACATTCCCAAACAAGAT	CCAGAGAGCTATTGAGGGACTG
NQO1	TGGCCGAACACAAGAAGCTG	GCTACGAGCACTCTCTCAAACC
β -actin	AGTGTGACGTTGACATCCGTA	GCCAGAGCAGTAATCTCCTTCT