

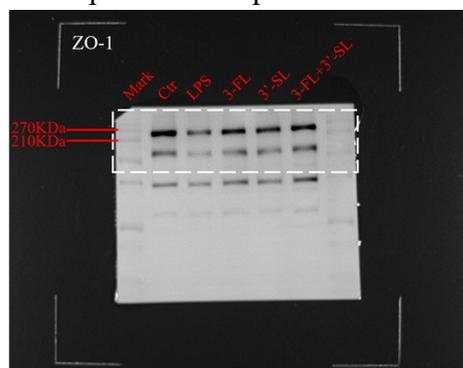
## Supporting Information

1. Table S1. Primer sequences for real-time PCR.

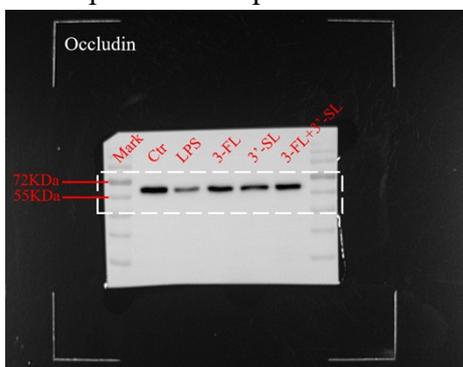
Gene	Primer sequence(5'-3')	
	Forward	Reverse
TLR4	GAGGACTGGGTGAGAAACGA	AGATACACCAACGGCTCTGG
MyD88	GAGATCCGCGAGTTTGAGAC	CTGTTTCTGCTGGTTGCGTA
NF- $\kappa$ B p65	AGGCCATTGAAGTGATCCAG	CAGTGAGGGACTCCGAGAAG
ZO-1	TGCTCCAGCAGGTCCTAAGT	TGGTAGCTGAGGGCAGAACT
Occludin	CTTGTCTTGGGAGCCTTGAC	AAAGAGTATGCCGGCTGAGA
Claudin-1	AGGTCTGGCGACATTAGTGG	CCTGGCCAAATTCATACCTGG
MUC2	AAGTGATTGTGTTCCGGGCT	ATGGAGATGTTCTTGGCGCA
Nrf2	CCACTGCTCCGACTAGCCAT	AATCAAATCCATGTCCTGCTGGG
eNOS	GGCTGAGTACCCAAGCTGAG	ATTGTGGCTCGGGTGGATTT
Gapdh	AGACAGCCGCATCTTCTTGT	CTTGCCGTGGGTAGAGTCAT

### 2. The images of western blot

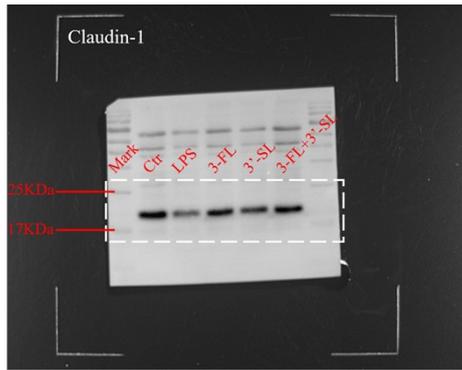
#### 2.1 Representative protein blots of ZO-1



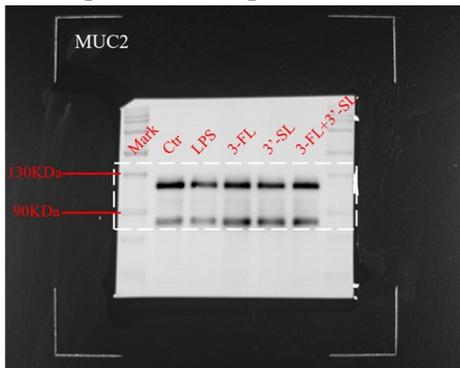
#### 2.2 Representative protein blots of Occludin



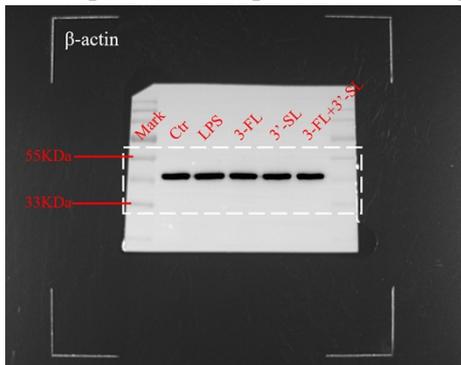
#### 2.3 Representative protein blots of Claudin-1



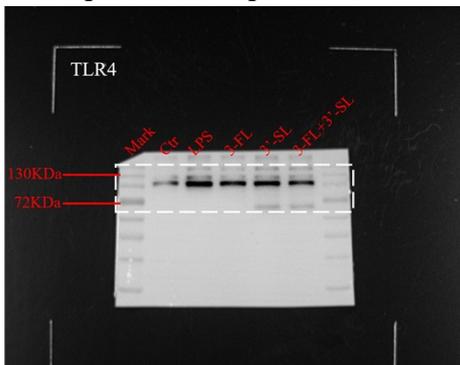
2.4 Representative protein blots of MUC2



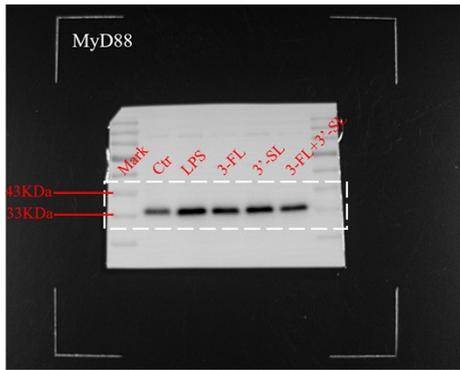
2.5 Representative protein blots of  $\beta$ -actin



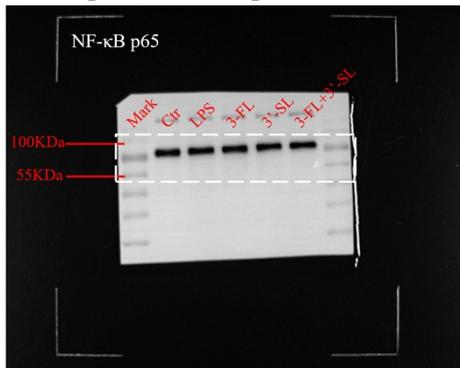
2.6 Representative protein blots of TLR4



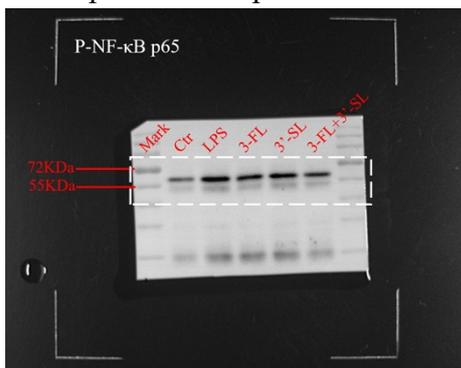
2.7 Representative protein blots of MyD88



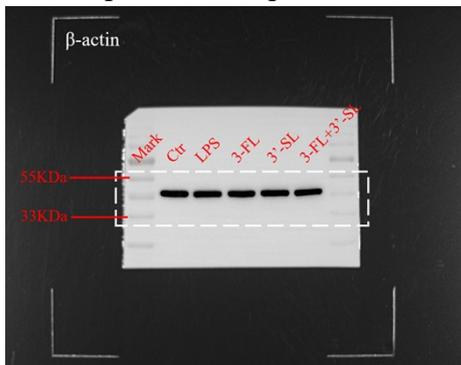
2.8 Representative protein blots of NF- $\kappa$ B p65



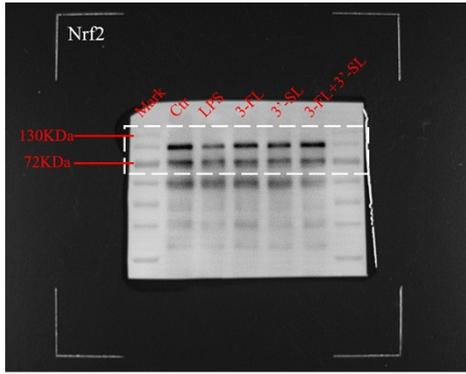
2.9 Representative protein blots of P-NF- $\kappa$ B p65



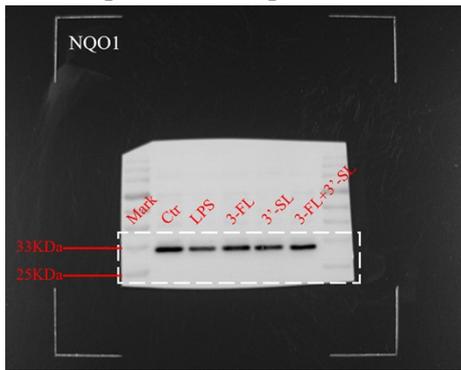
2.10 Representative protein blots of  $\beta$ -actin



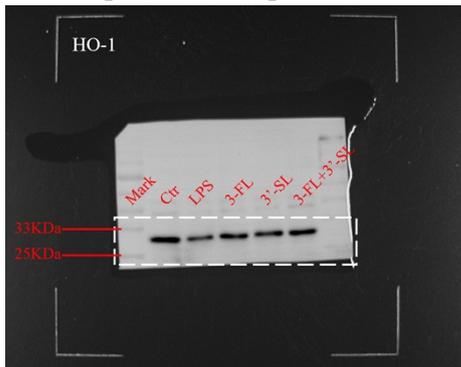
2.11 Representative protein blots of Nrf2



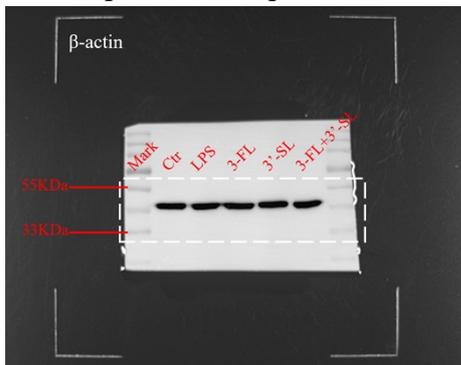
2.12 Representative protein blots of NQO1



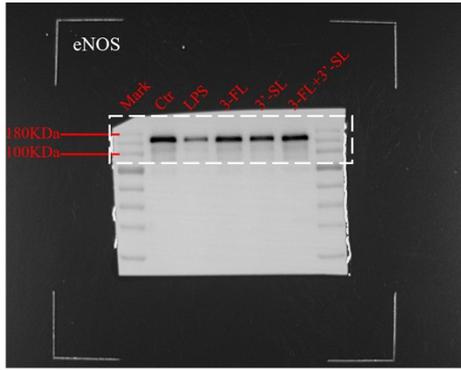
2.13 Representative protein blots of HO-1



2.14 Representative protein blots of  $\beta$ -actin



2.15 Representative protein blots of eNOS



2.16 Representative protein blots of  $\beta$ -actin

