FIG. 1

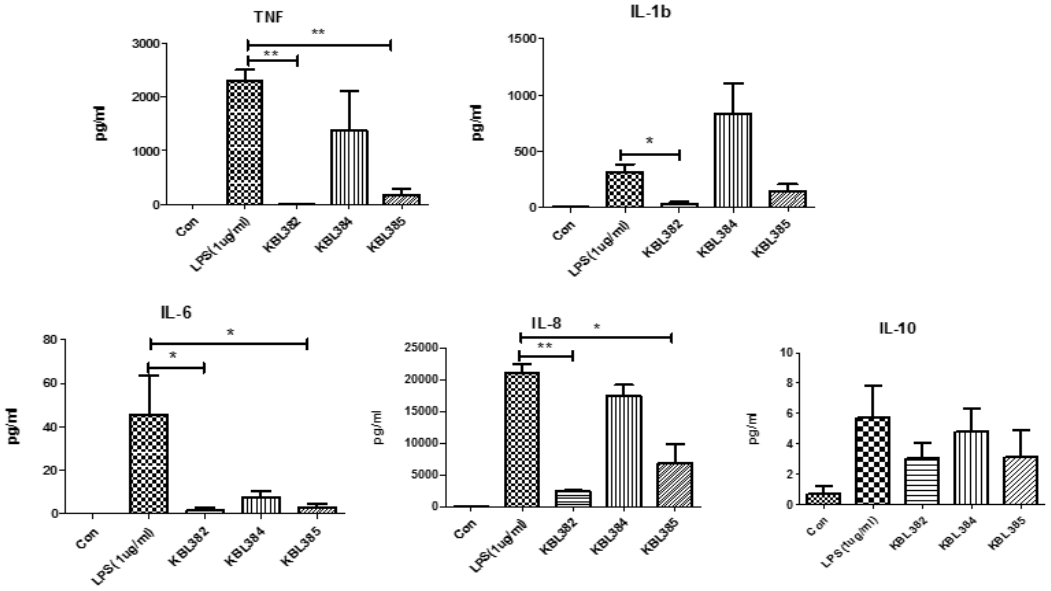

TNF
IL-1b
IL-6
IL-8
IL-10
pg/ml
Con
LPS(1ug/ml)
KBL382
KBL384
KBL385

FIG. 2

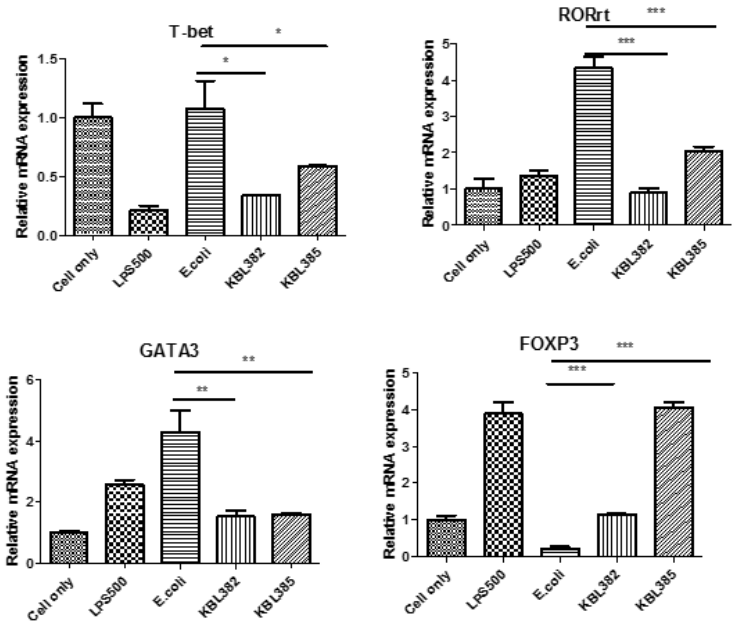

T-bet
RORrt
GATA3
FOXP3
Relative mRNA expression
Cell only
LPS500
E.coli
KBL382
KBL385

FIG. 3

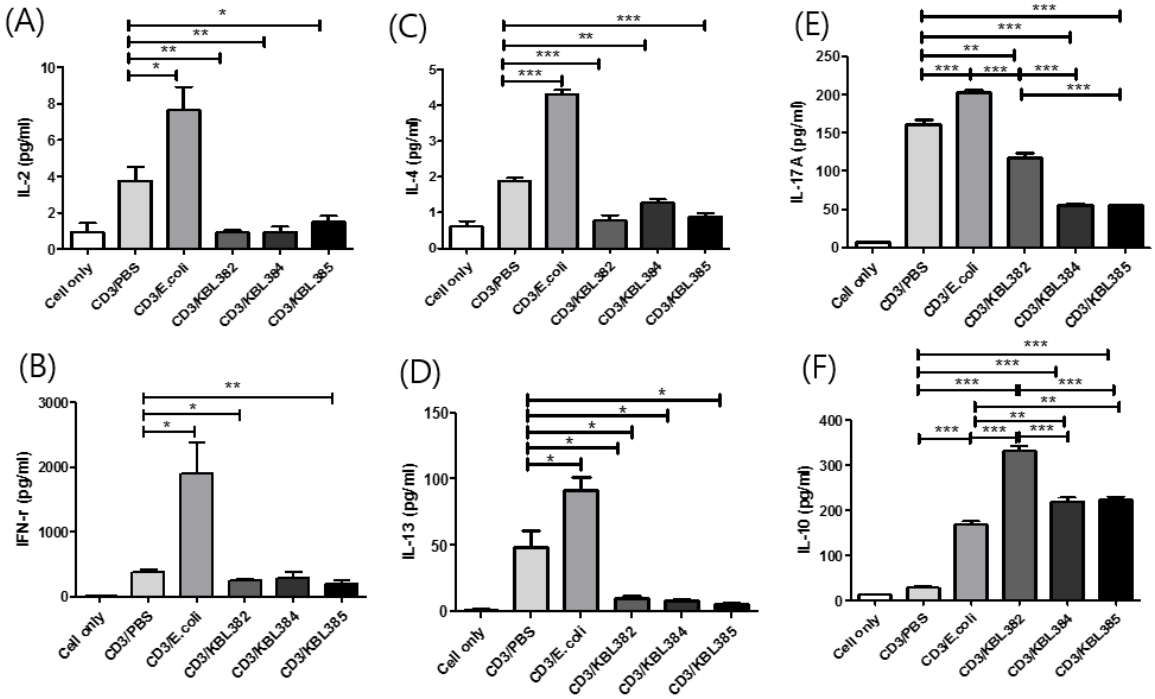

(A)
IL-2 (pg/ml)
(B)
IFN-r (pg/ml)
(C)
IL-4 (pg/ml)
(D)
IL-13 (pg/ml)
(E)
IL-17A (pg/ml)
(F)
IL-10 (pg/ml)
Cell only
CD3/PBS
CD3/E.coli
CD3/KBL382
CD3/KBL384
CD3/KBL385

FIG. 4

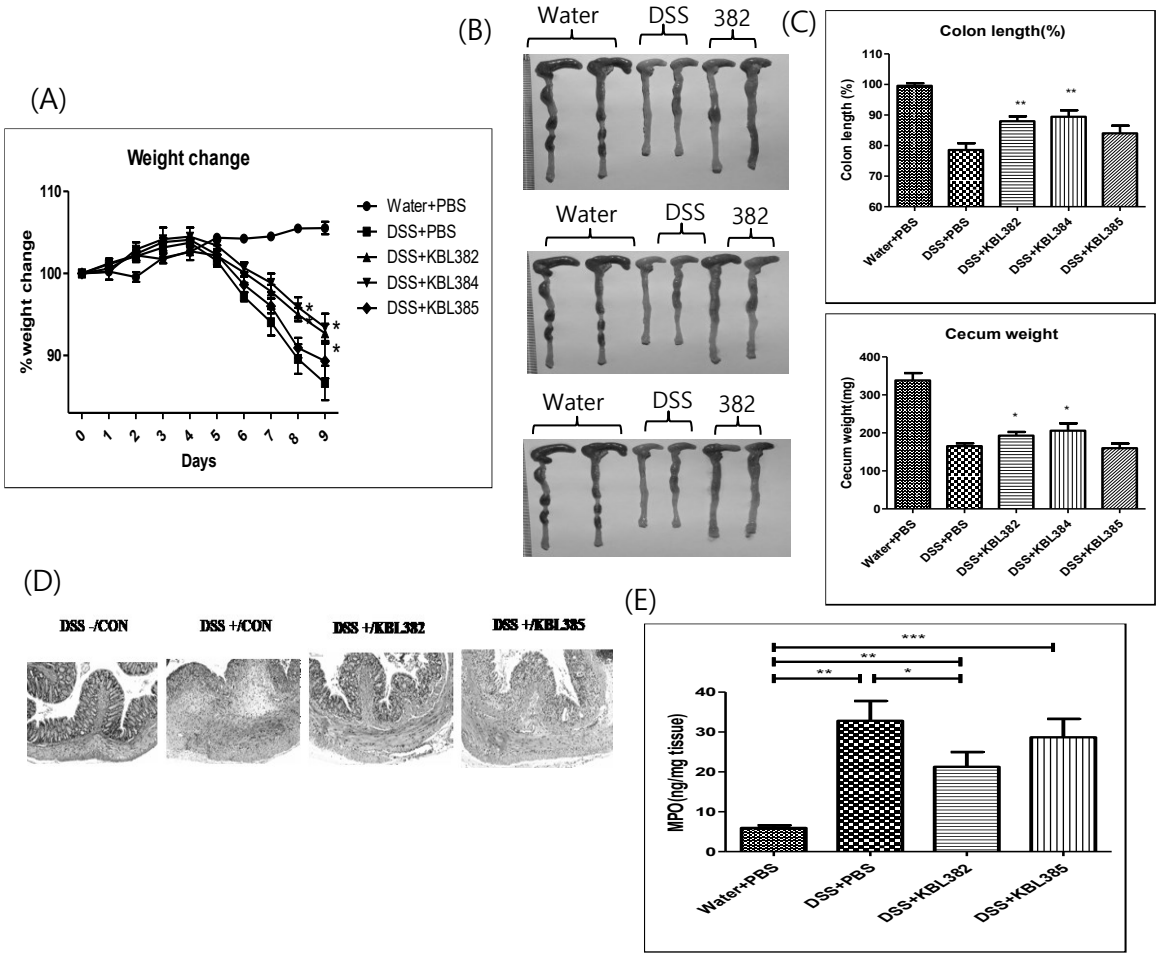

(A)
Weight change
% weight change
Days
Water+PBS
DSS+PBS
DSS+KBL382
DSS+KBL384
DSS+KBL385
(B)
Water
DSS
382
(C)
Colon length(%)
Colon length (%)
Cecum weight
Cecum weight(mg)
Water+PBS
DSS+PBS
DSS+KBL382
DSS+KBL384
DSS+KBL385
(D)
DSS -/CON
DSS +/CON
DSS +/KBL382
DSS +/KBL385
(E)
MPO(ng/mg tissue)

FIG. 5

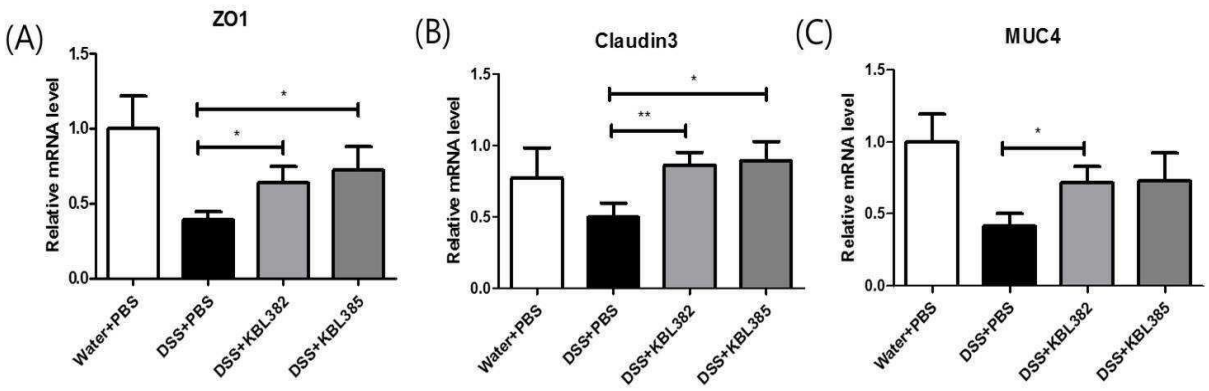

(A)
ZO1
Relative mRNA level
1.5
1.0
0.5
0.0
*
*
Water+PBS
DSS+PBS
DSS+KBL382
DSS+KBL385
(B)
Claudin3
Relative mRNA level
1.5
1.0
0.5
0.0
*
**
Water+PBS
DSS+PBS
DSS+KBL382
DSS+KBL385
(C)
MUC4
Relative mRNA level
1.5
1.0
0.5
0.0
*
Water+PBS
DSS+PBS
DSS+KBL382
DSS+KBL385

FIG. 6

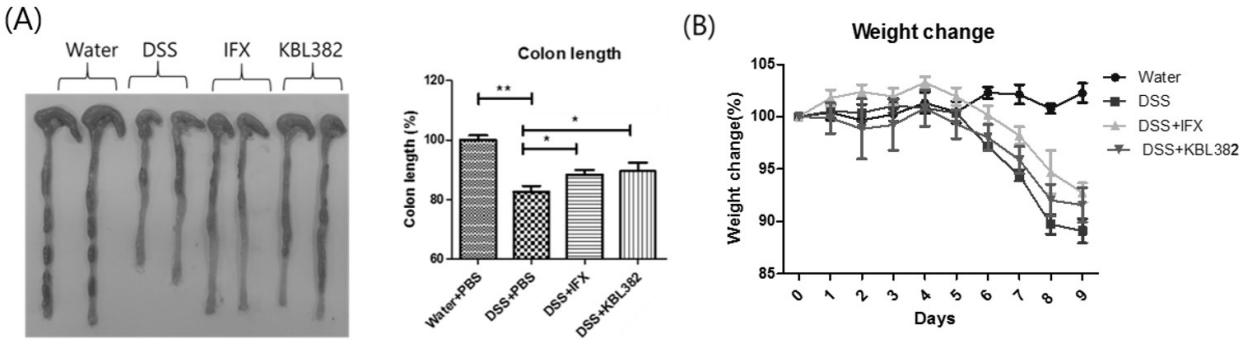
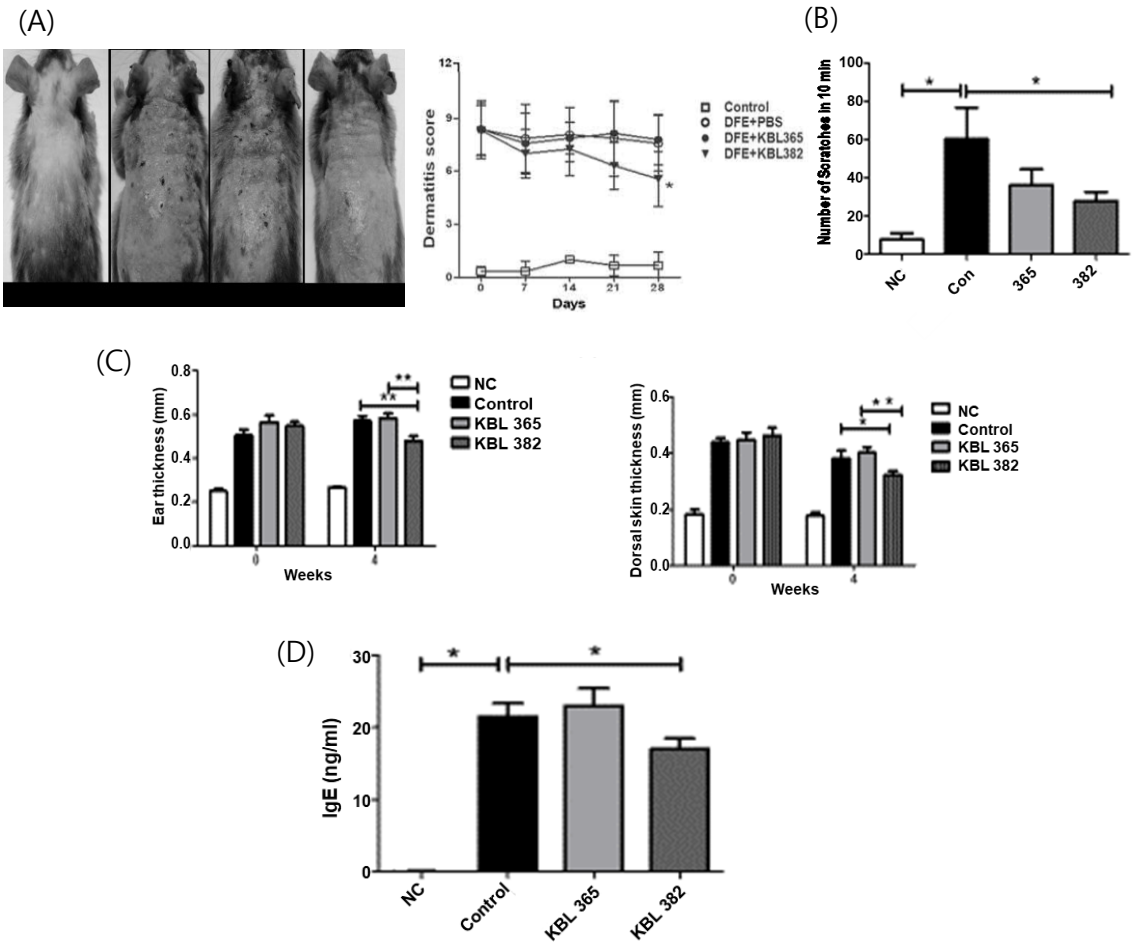

(A)
Water
DSS
IFX
KBL382
Colon length
Colon length (%)
120
100
80
60
**
*
*
Water+PBS
DSS+PBS
DSS+IFX
DSS+KBL382
(B)
Weight change
Weight change(%)
105
100
95
90
85
0
1
2
3
4
5
6
7
8
9
Days
Water
DSS
DSS+IFX
DSS+KBL382

FIG. 7


(A)
Dermatitis score
Days
Control
DFE+PBS
DFE+KBL365
DFE+KBL382
(B)
Number of Scratches in 10 min
NC
Con
365
382
(C)
Ear thickness (mm)
Weeks
NC
Control
KBL 365
KBL 382
Dorsal skin thickness (mm)
Weeks
NC
Control
KBL 365
KBL 382
(D)
IgE (ng/ml)
NC
Control
KBL_365
KBL_382