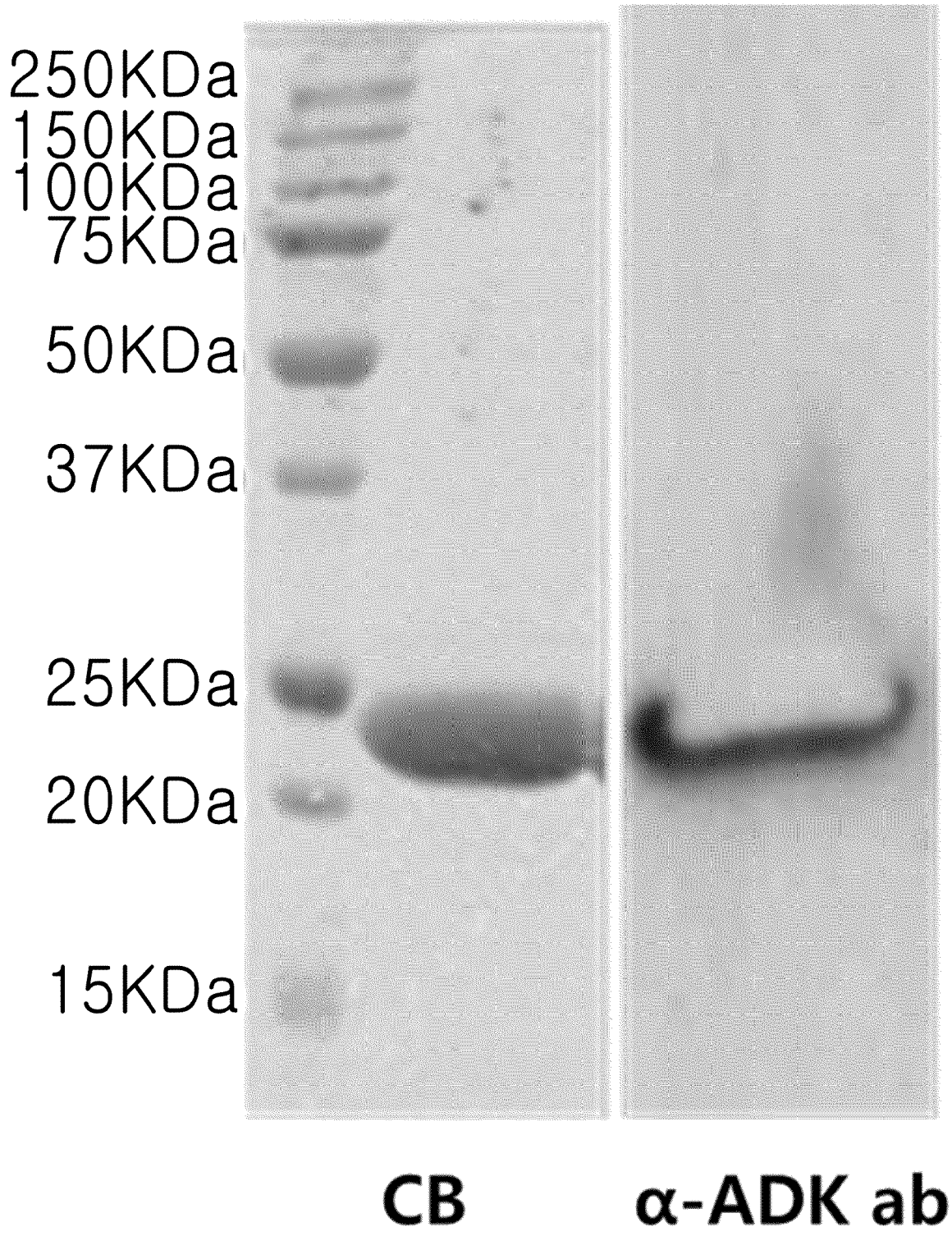
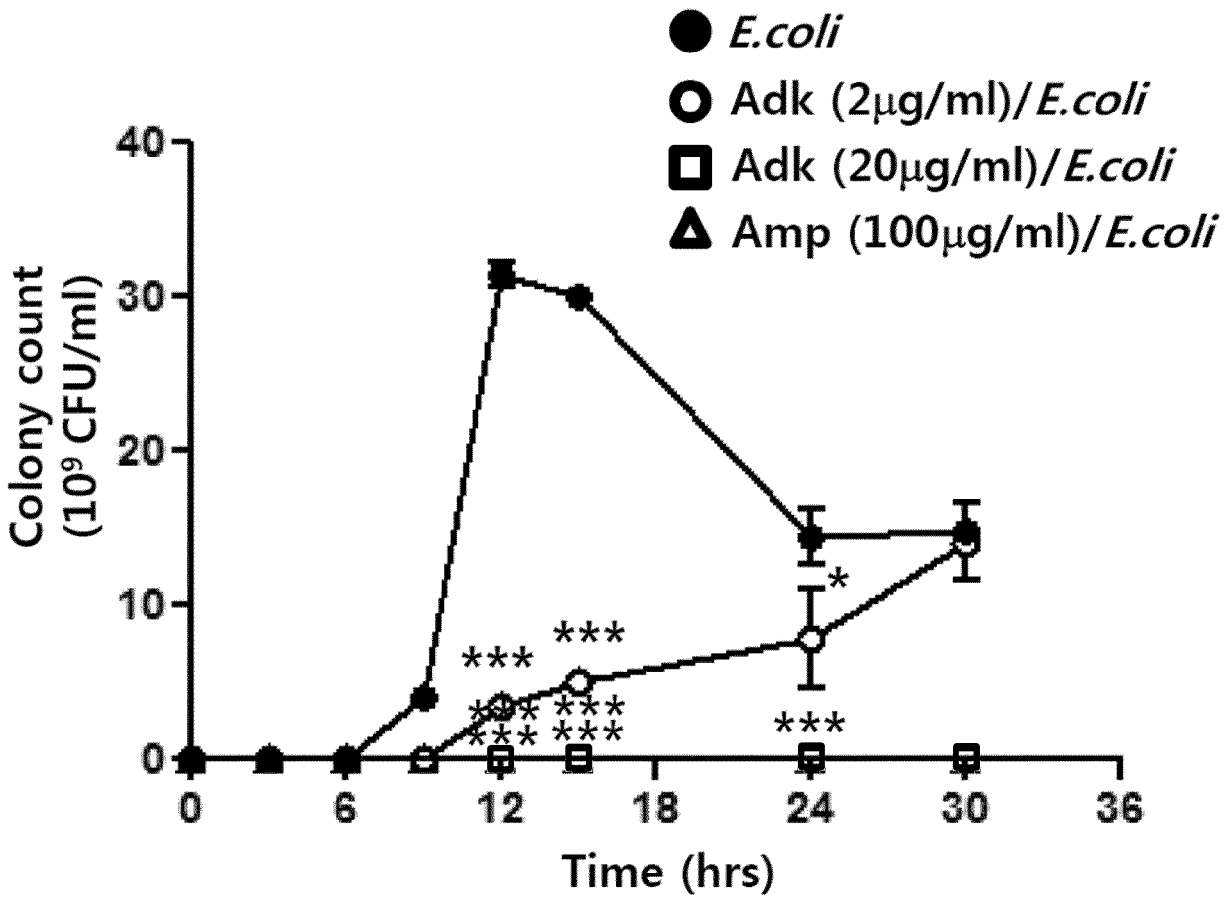
WO 2016/093641 PCT/KR2015/013521

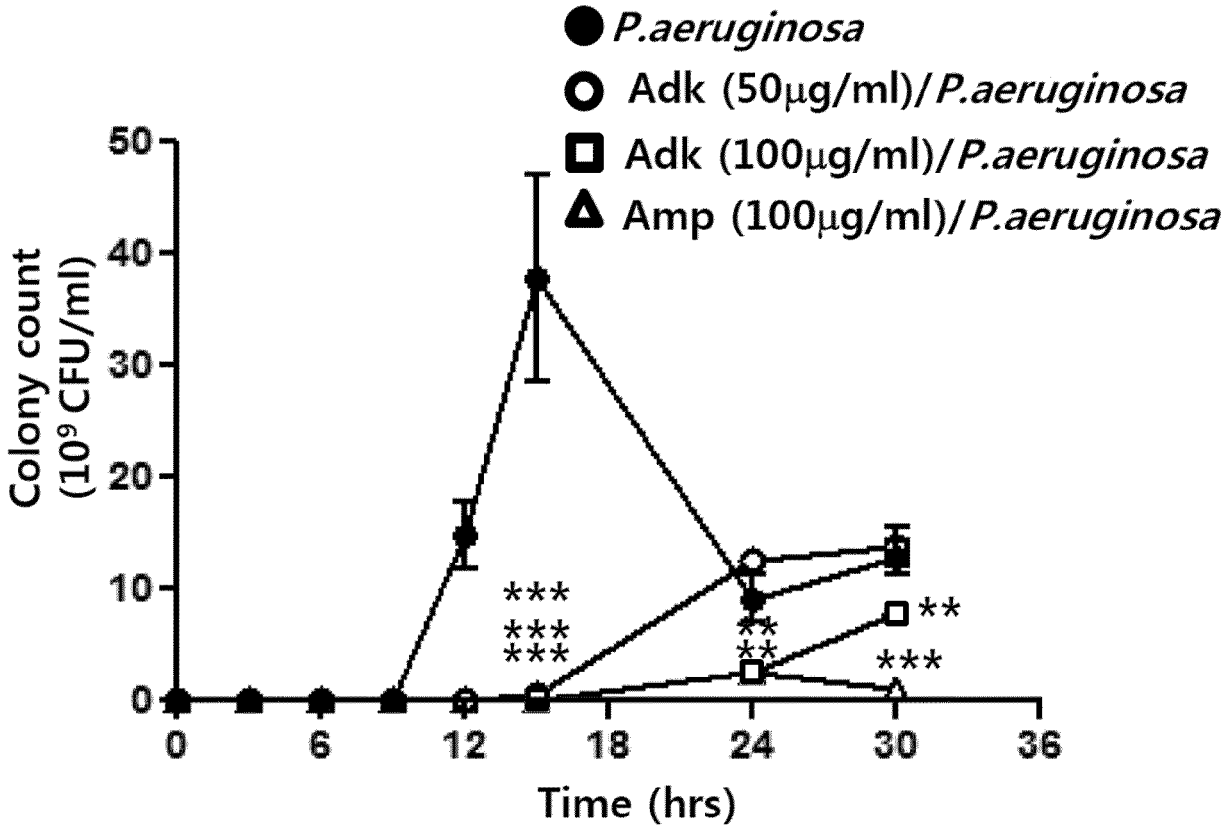
[도1]



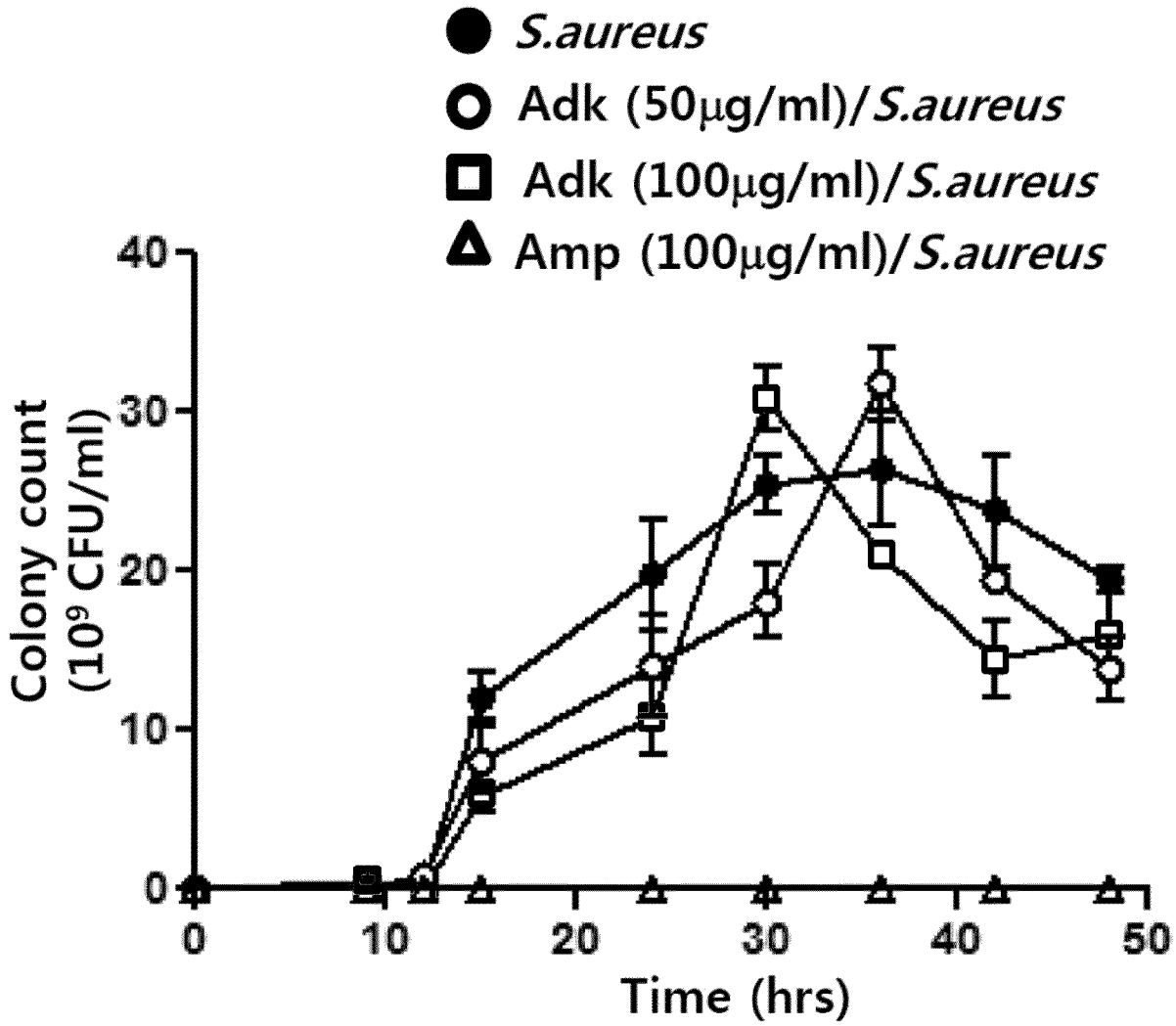
[도2]


E.coli
Adk (2μg/ml)/E.coli
Adk (20μg/ml)/E.coli
Amp (100μg/ml)/E.coli
Colony count
(10⁹ CFU/ml)
40
30
20
10
0
0
6
12
18
24
30
36
Time (hrs)
***
***
***
***
***
***
*
***

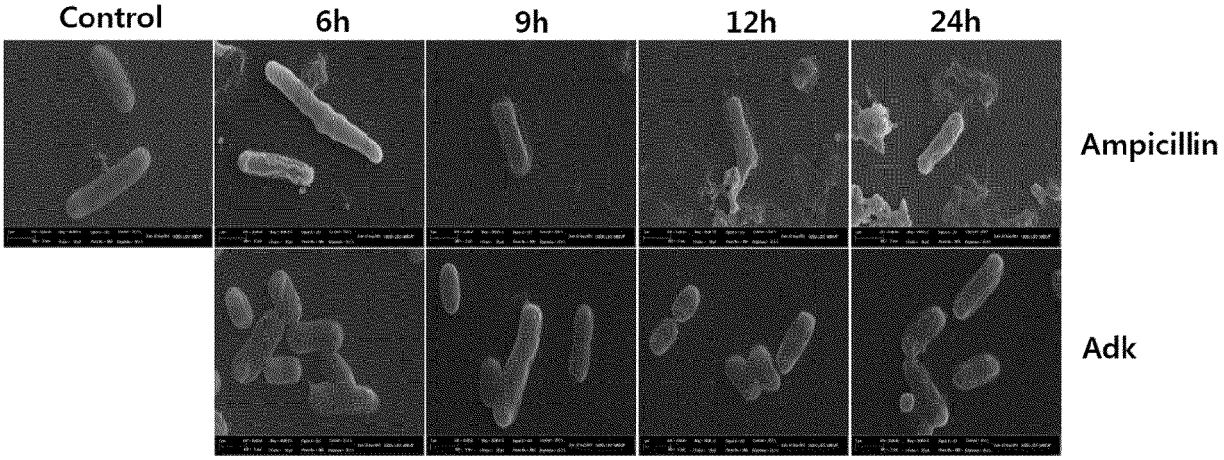
[도3]


P.aeruginosa
Adk (50μg/ml)/P.aeruginosa
Adk (100μg/ml)/P.aeruginosa
Amp (100μg/ml)/P.aeruginosa
Colony count
(10⁹ CFU/ml)
50
40
30
20
10
0
0
6
12
18
24
30
36
Time (hrs)
***
***
***
**
**
**
***

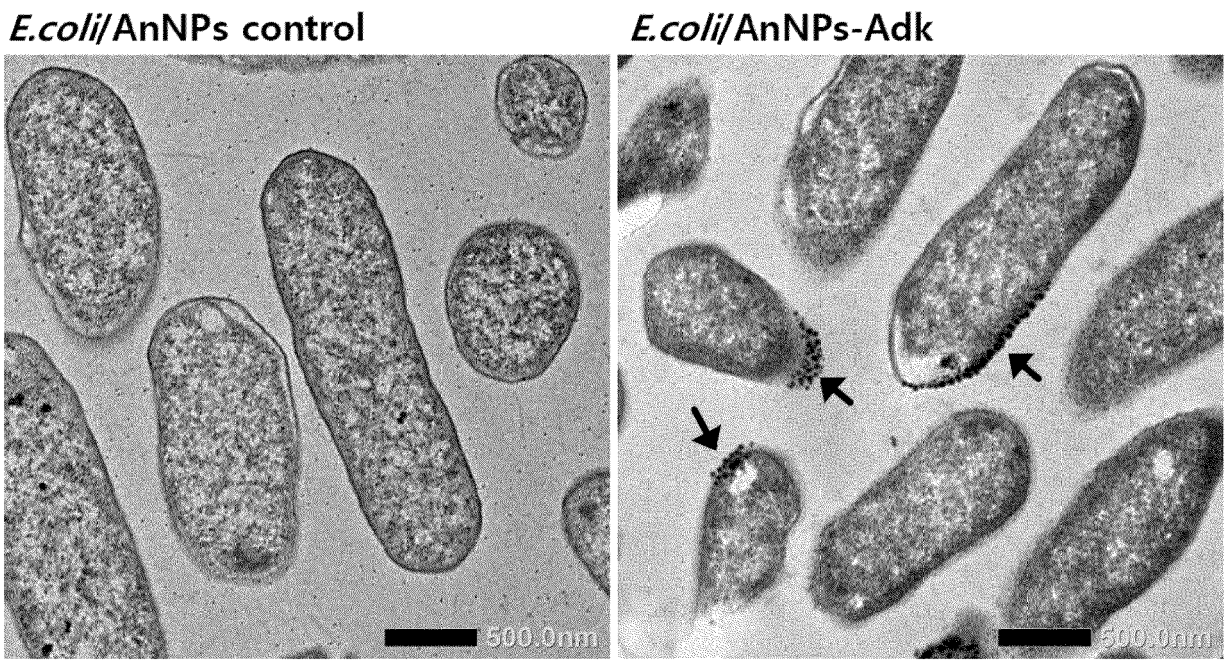
[도4]


S.aureus
Adk (50μg/ml)/S.aureus
Adk (100μg/ml)/S.aureus
Amp (100μg/ml)/S.aureus
Colony count
(10⁹ CFU/ml)
0
10
20
30
40
0
10
20
30
40
50
Time (hrs)

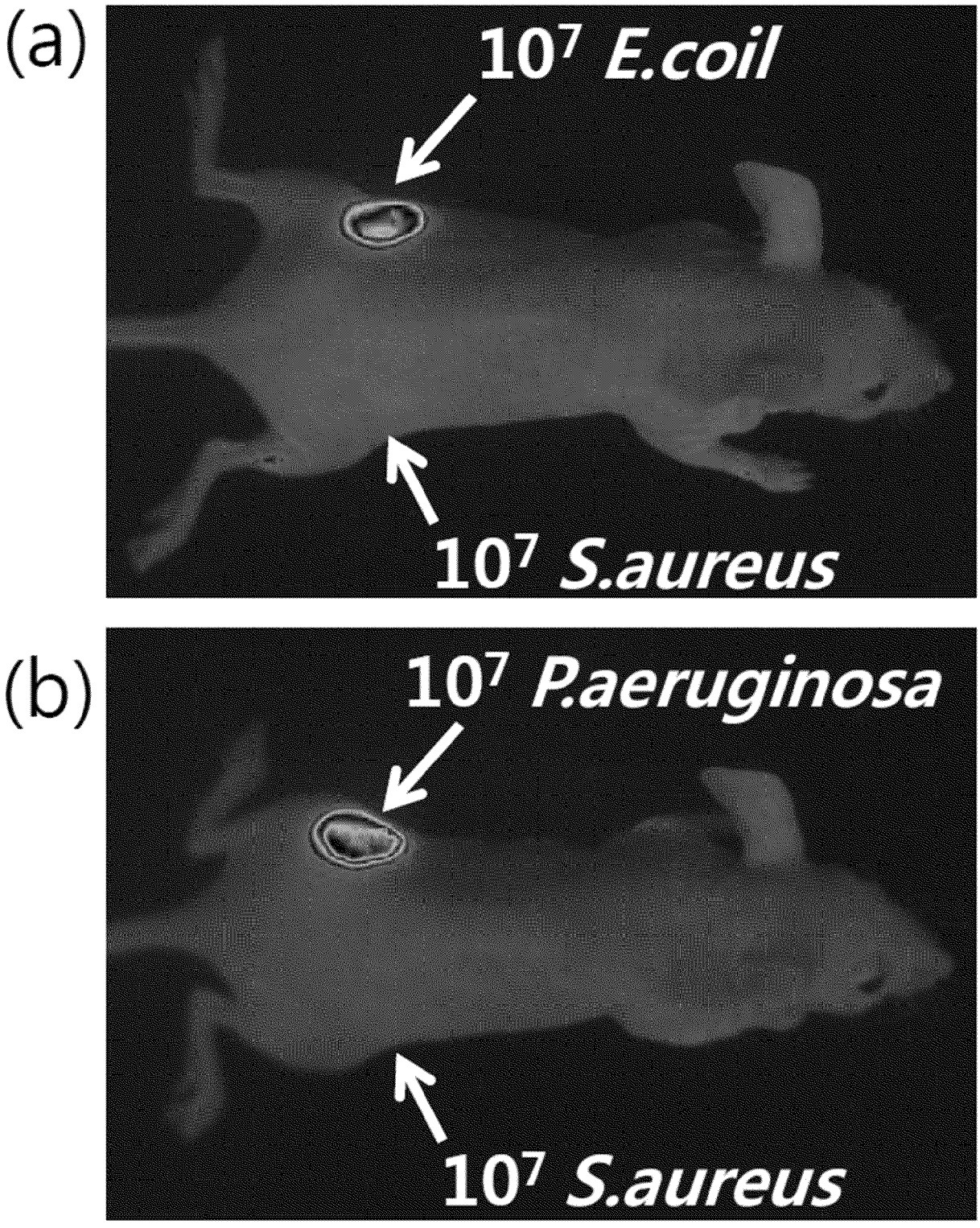
[도5]


Control
6h
9h
12h
24h
Ampicillin
Adk

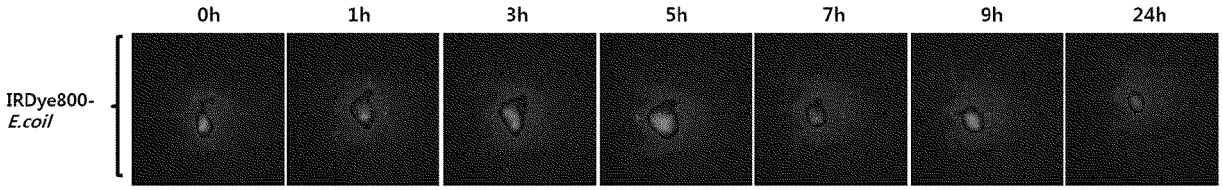
[도6]



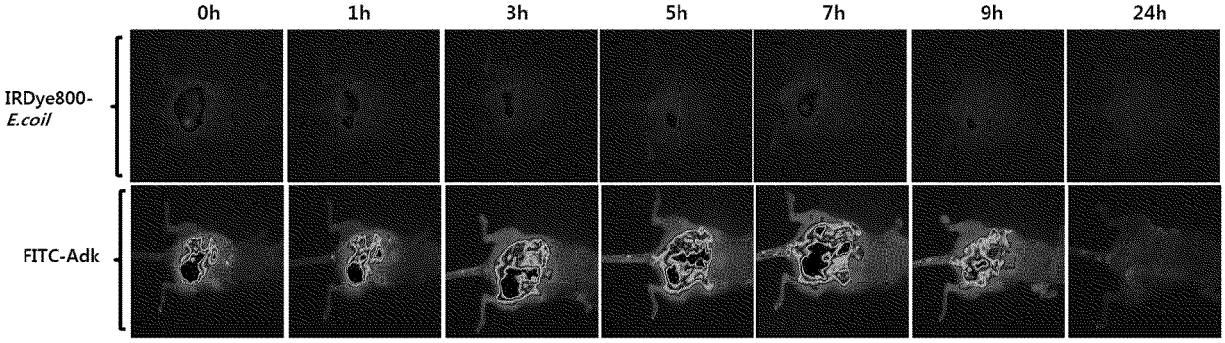
[도7]



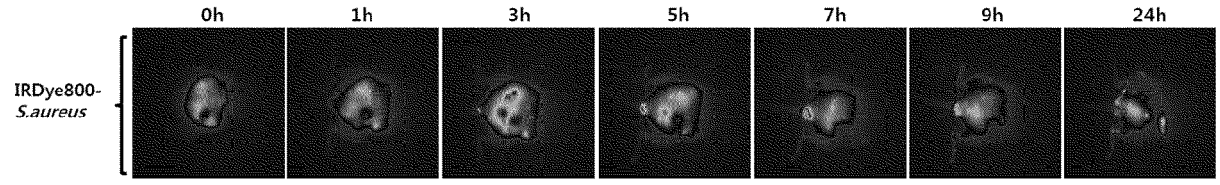
[도8]



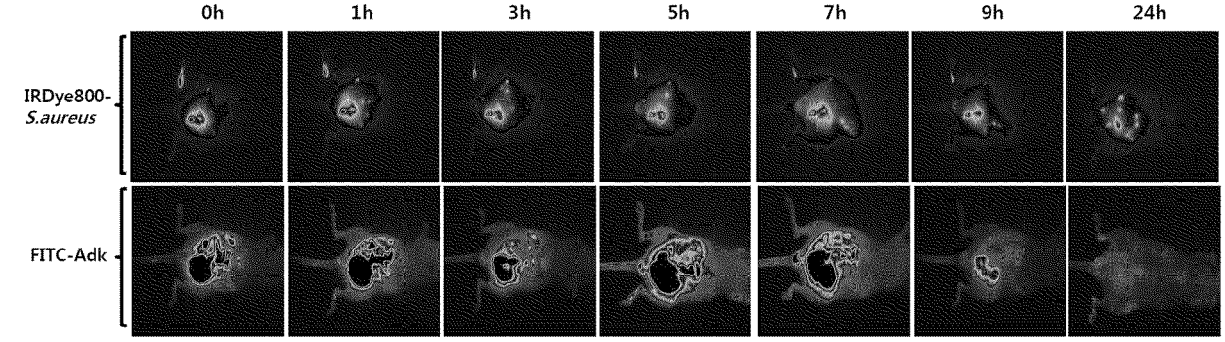
(b) IRDye800-conjugated *E.coli* / FITC-conjugated Adk injection



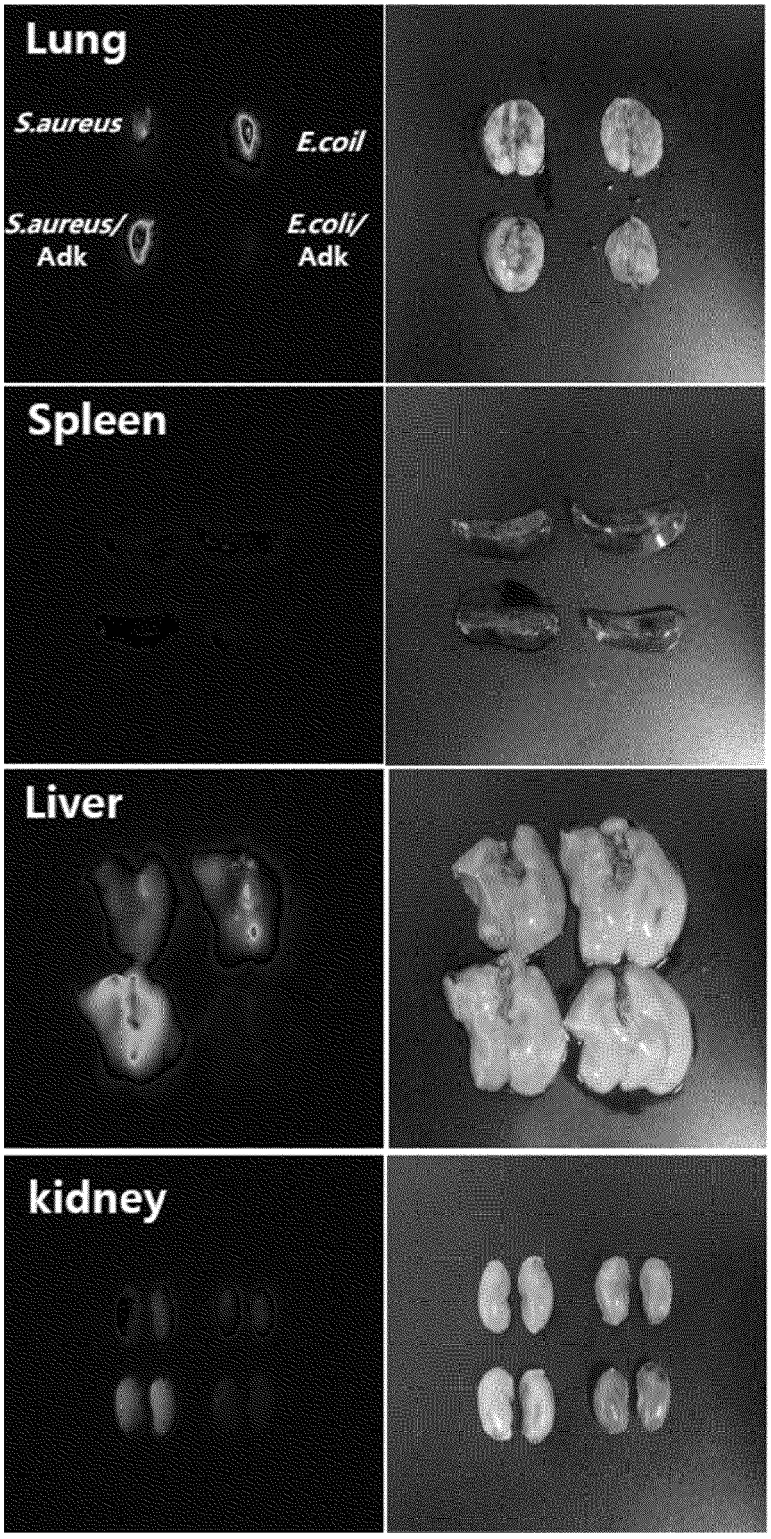
[도9]



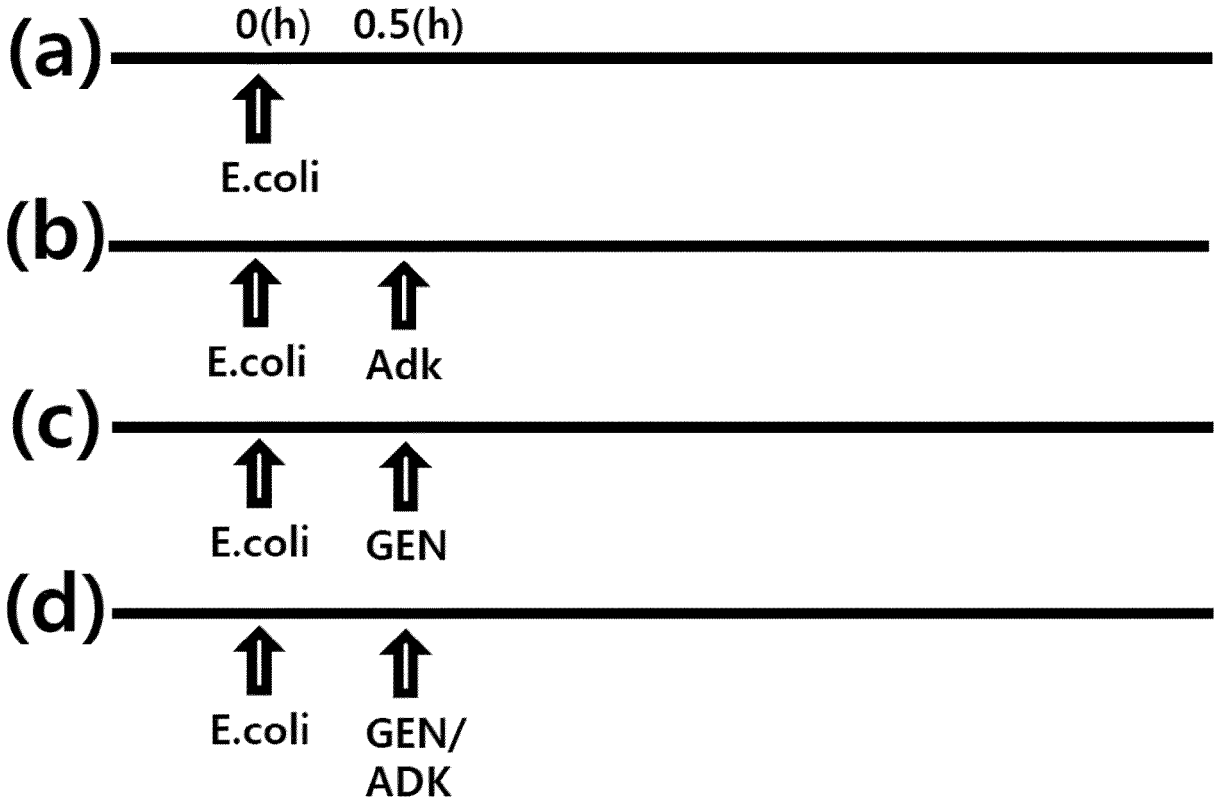
(b) IRDye800-conjugated *S.aureus* / FITC-conjugated Adk injection



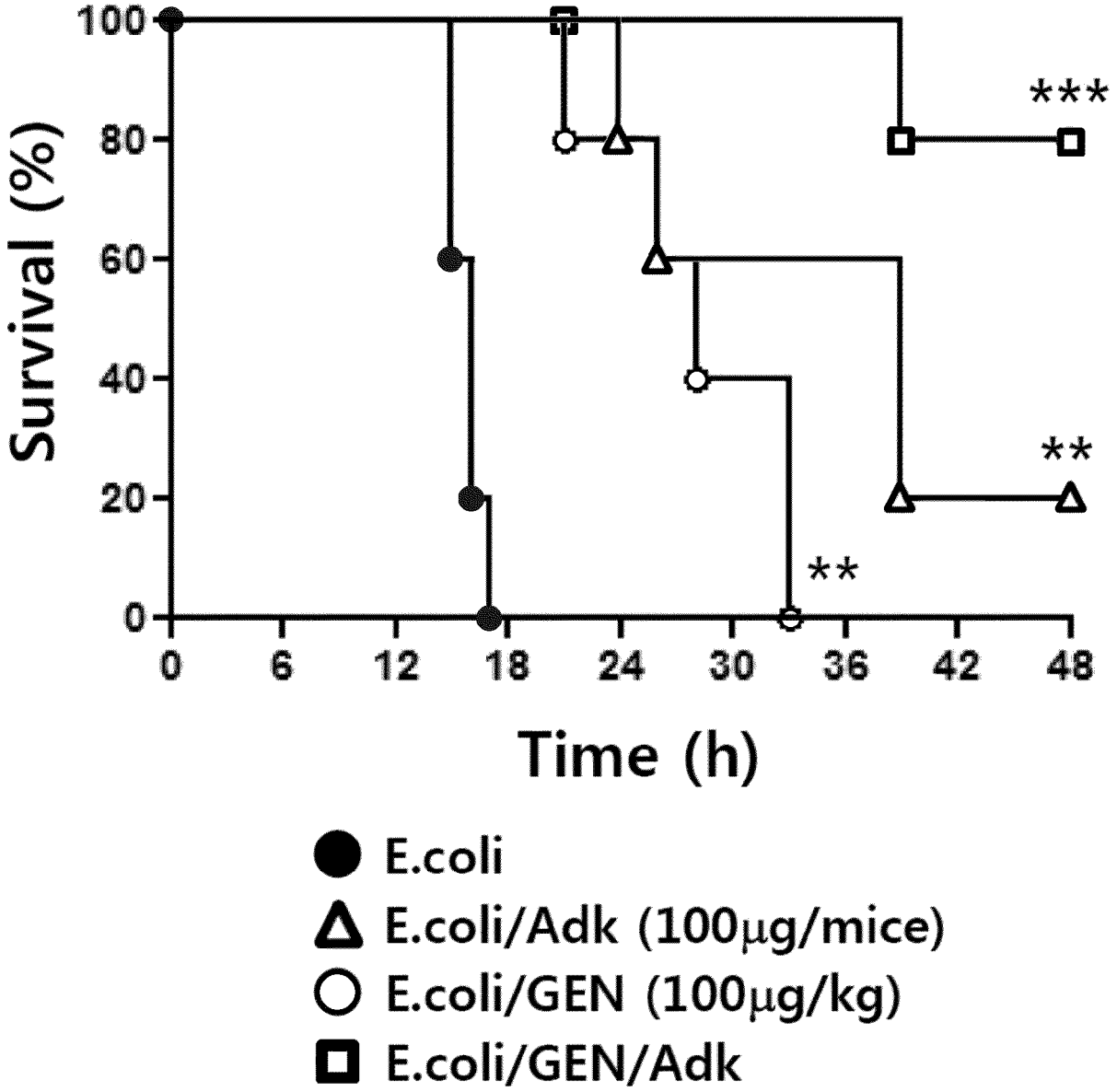
[도10]


Lung
S.aureus
E.coil
S.aureus/ Adk
E.coli/ Adk
Spleen
Liver
kidney

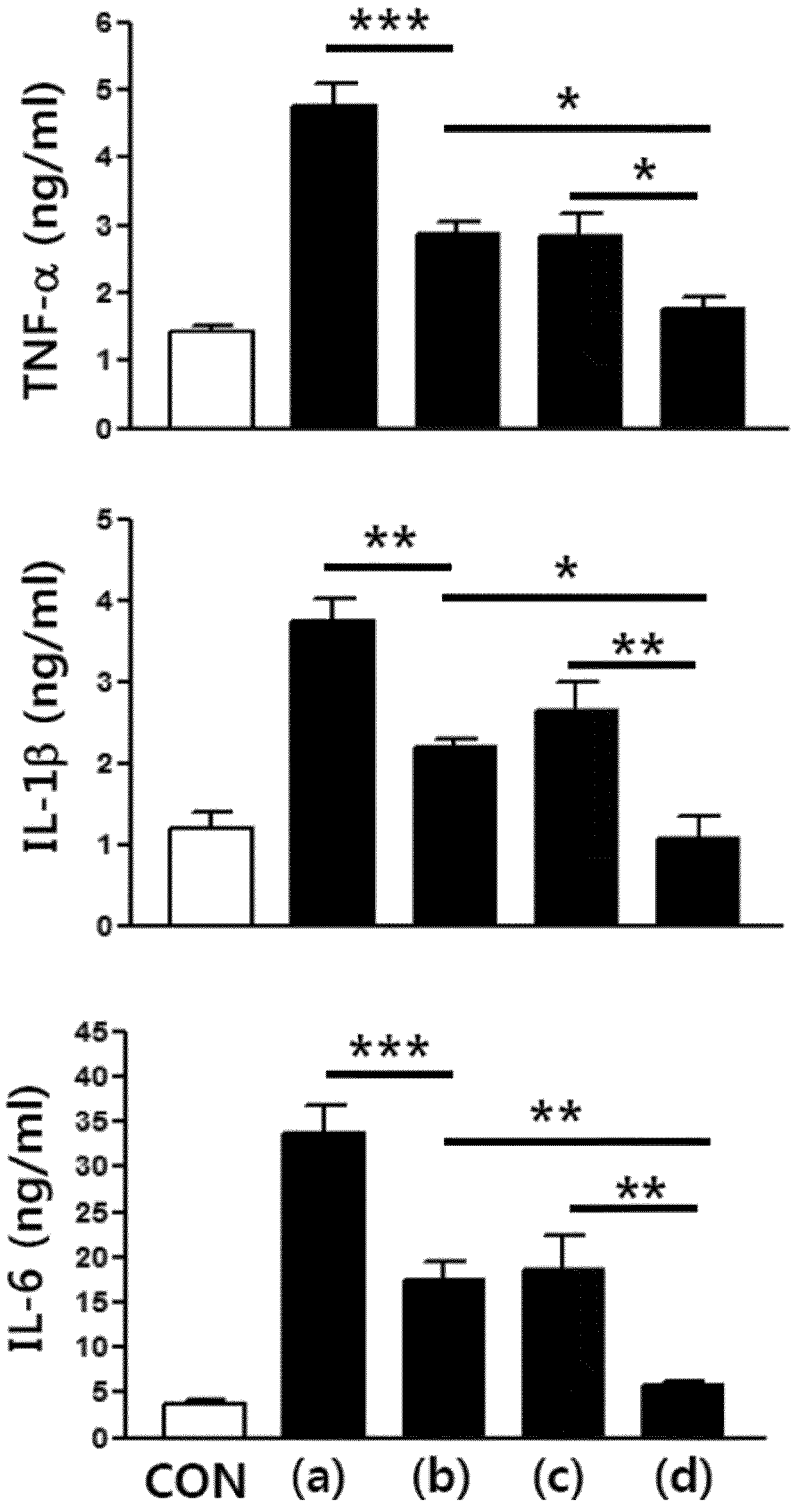
[도11]



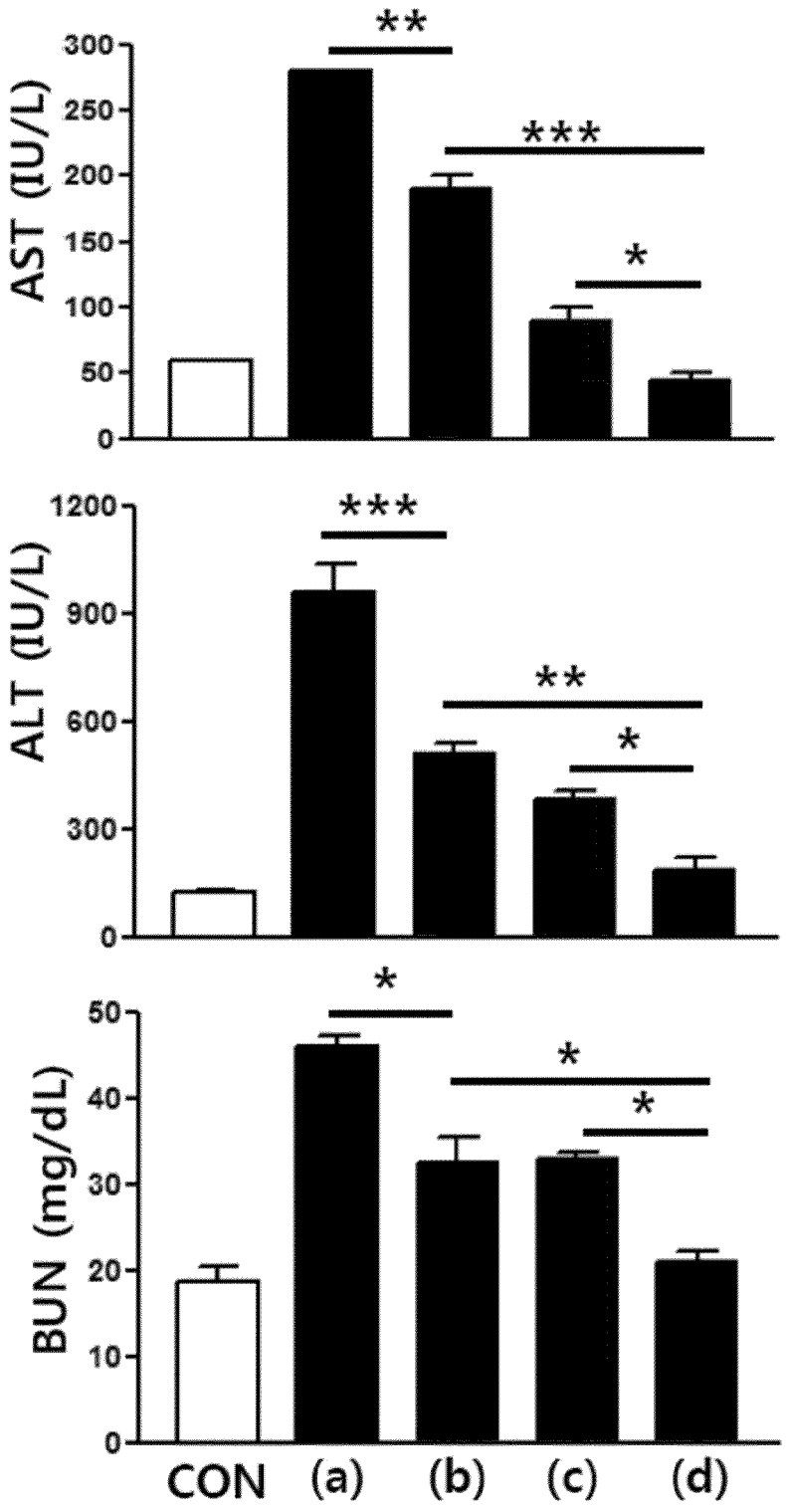
[도12]


100
80
60
40
20
0
Survival (%)
0
6
12
18
24
30
36
42
48
Time (h)
***
**
**
E.coli
E.coli/Adk (100μg/mice)
E.coli/GEN (100μg/kg)
E.coli/GEN/Adk

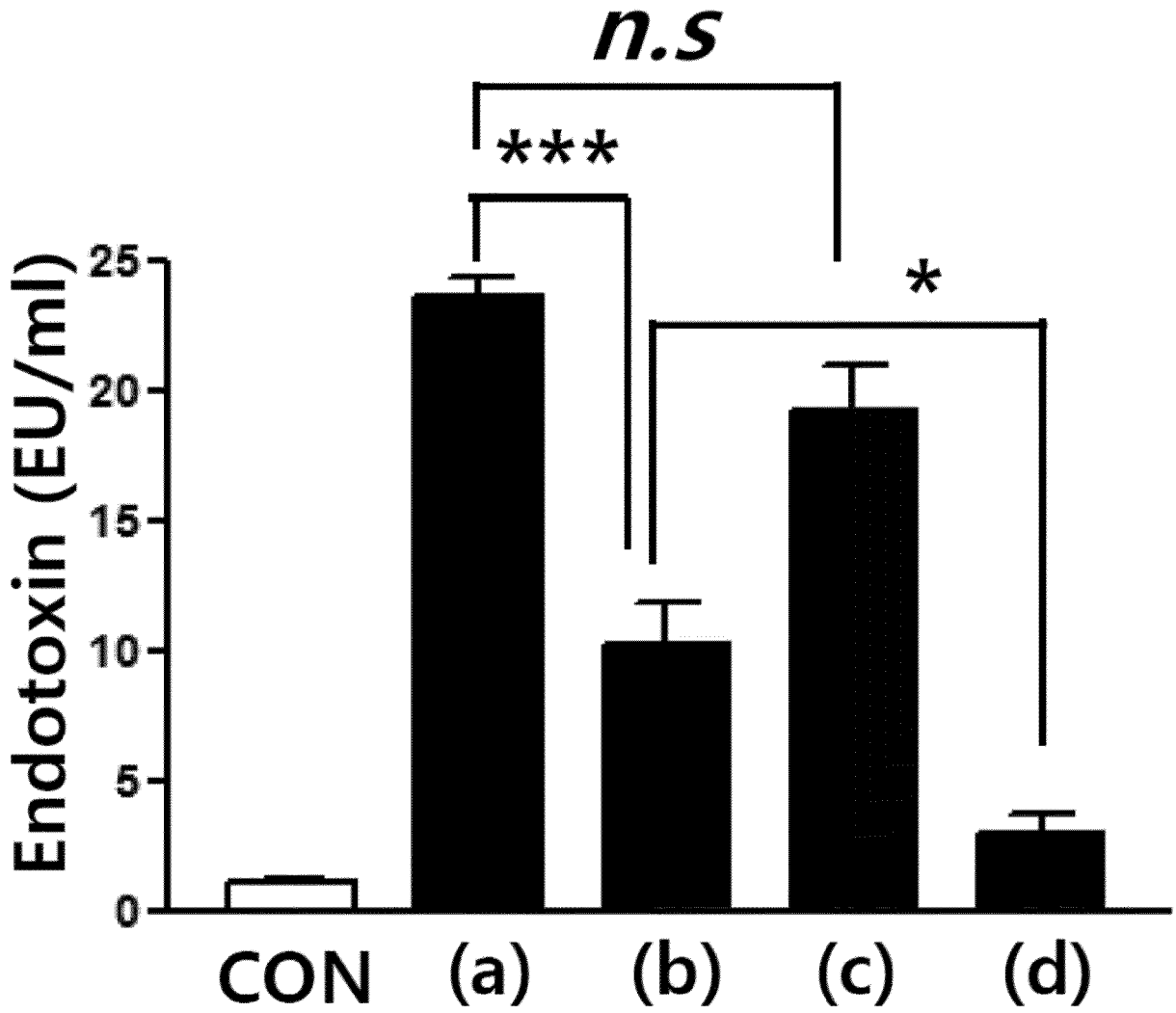
[도13]



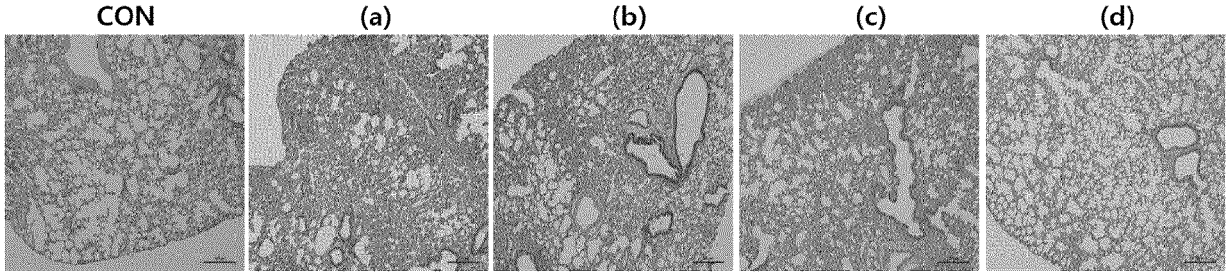
[도14]


AST (IU/L)
300
250
200
150
100
50
0
**
***
*
ALT (IU/L)
1200
900
600
300
0
***
**
*
BUN (mg/dL)
50
40
30
20
10
0
*
*
*
CON
(a)
(b)
(c)
(d)

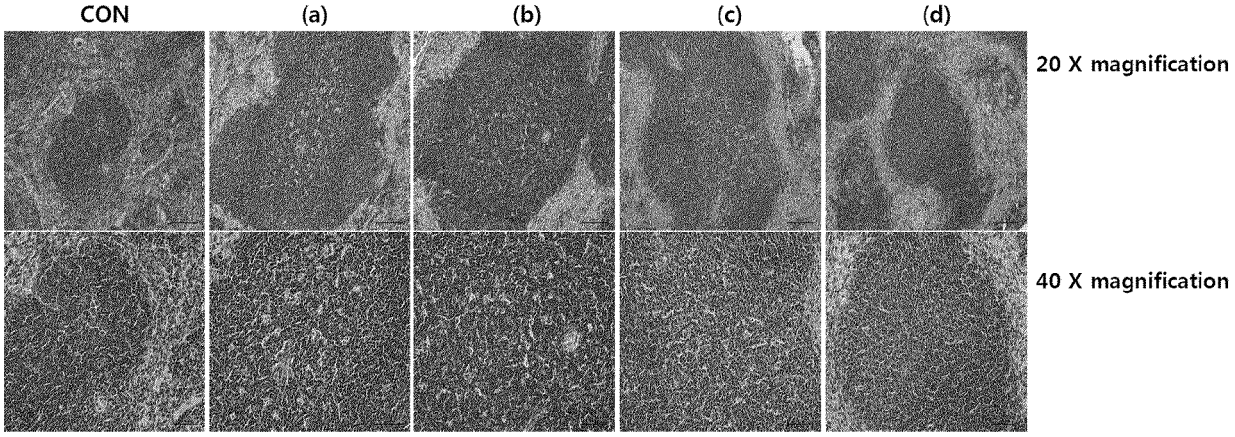
[도15]


n.s
***
*
Endotoxin (EU/ml)
25
20
15
10
5
0
CON
(a)
(b)
(c)
(d)

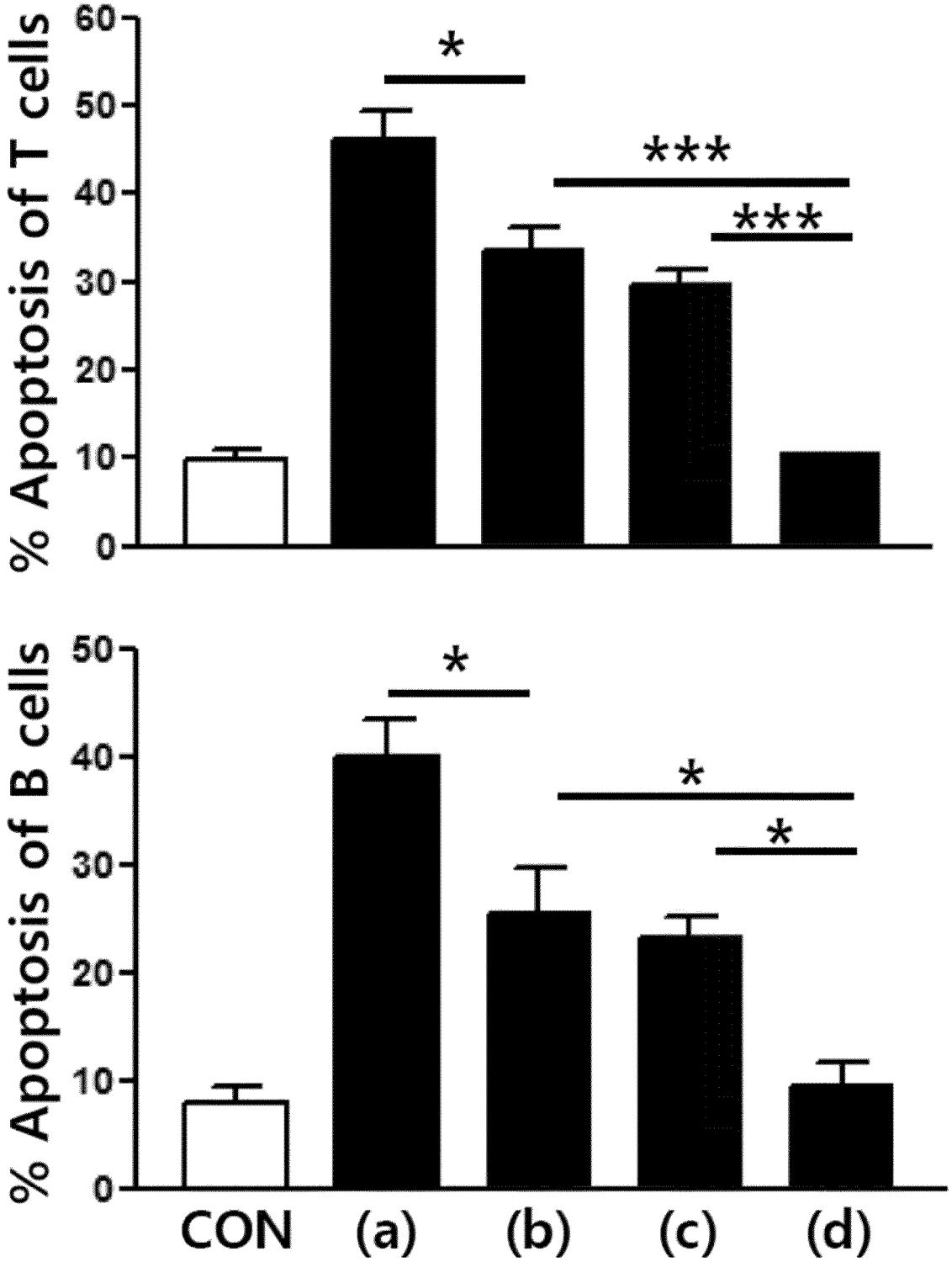
[도16]


CON
(a)
(b)
(c)
(d)

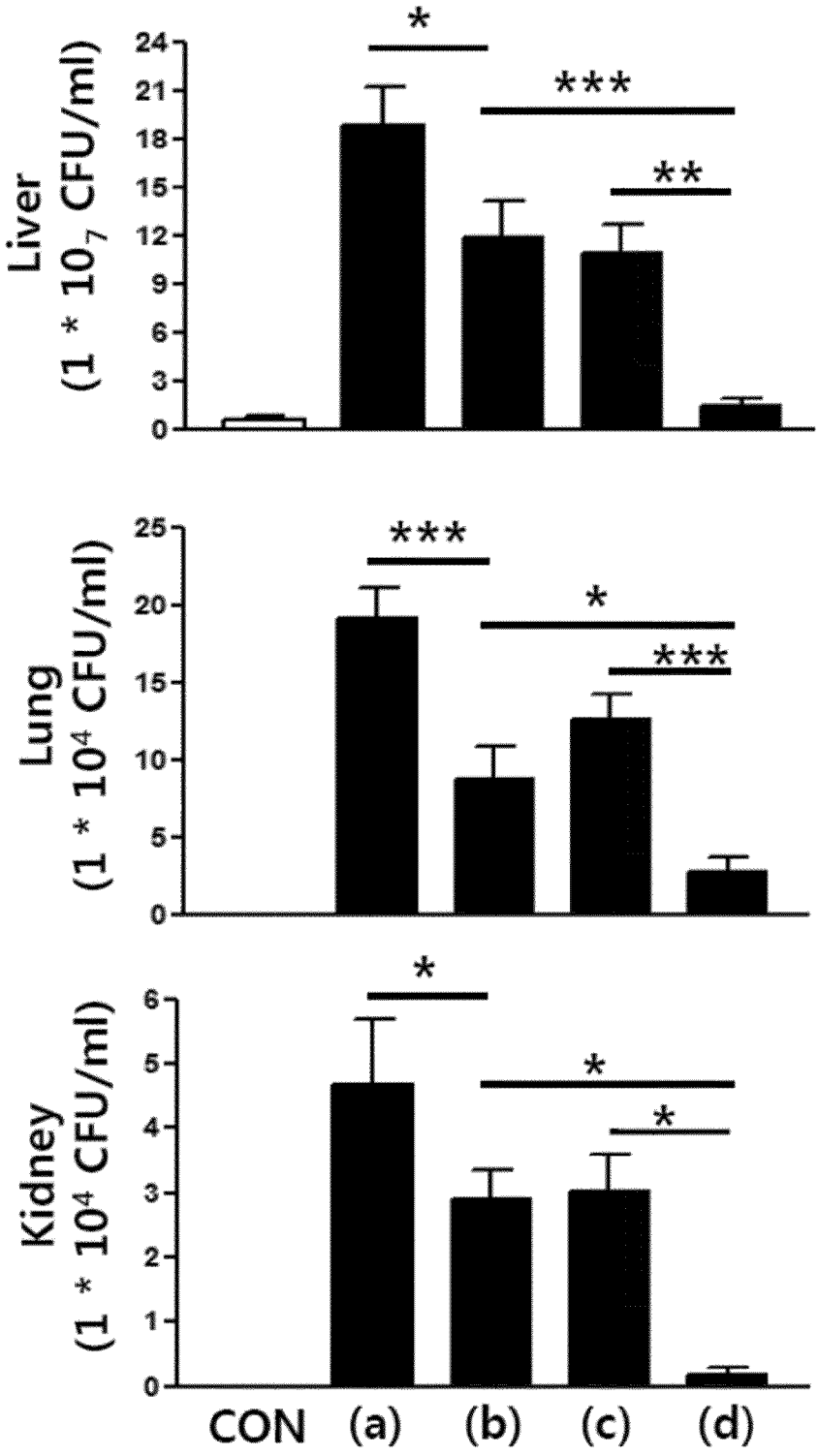
[도17]


CON
(a)
(b)
(c)
(d)
20 X magnification
40 X magnification

[도18]


% Apoptosis of T cells
60
50
40
30
20
10
0
*
***
***
% Apoptosis of B cells
50
40
30
20
10
0
*
*
*
CON
(a)
(b)
(c)
(d)

[도19]


Liver
(1 * 10$_7$ CFU/ml)
24
21
18
15
12
9
6
3
0
*
***
**
Lung
(1 * 10^4 CFU/ml)
25
20
15
10
5
0
***
*
***
Kidney
(1 * 10^4 CFU/ml)
6
5
4
3
2
1
0
*
*
*
CON
(a)
(b)
(c)
(d)