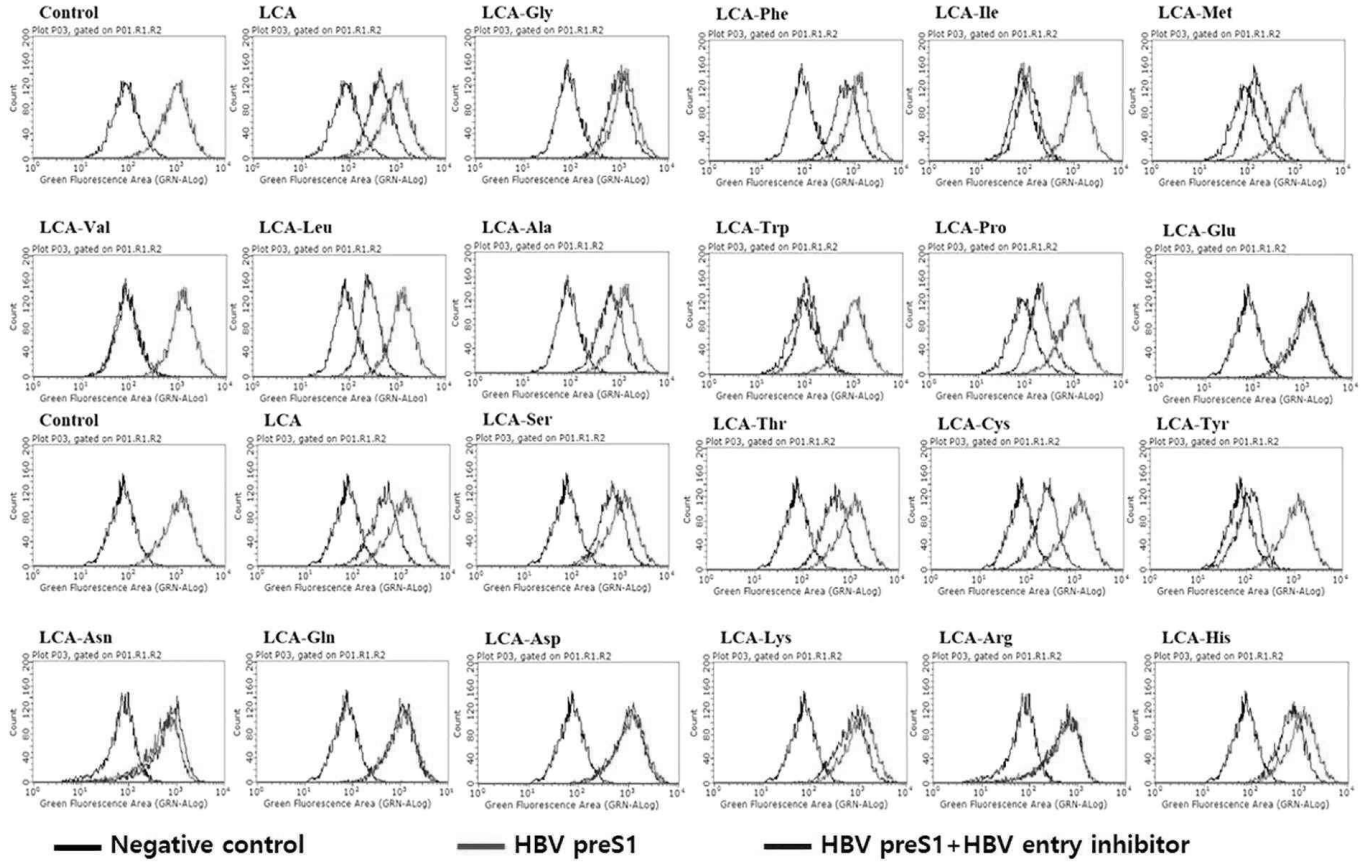
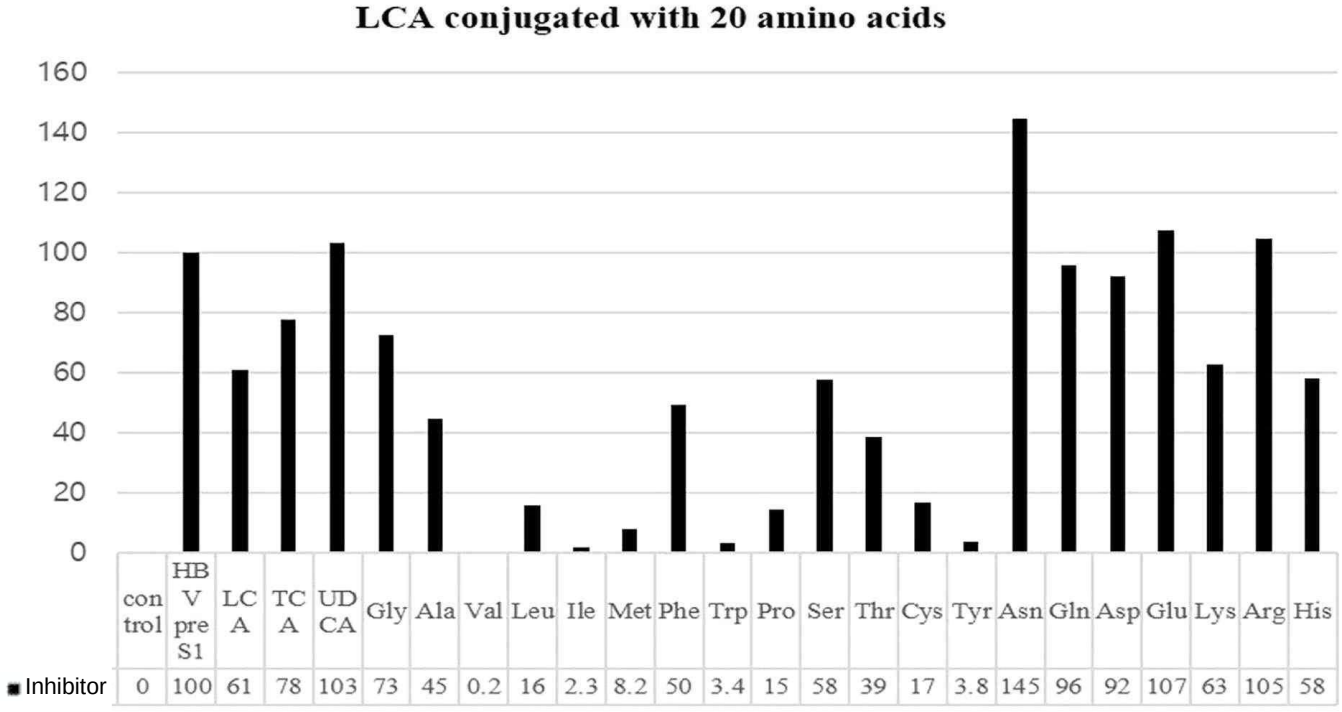
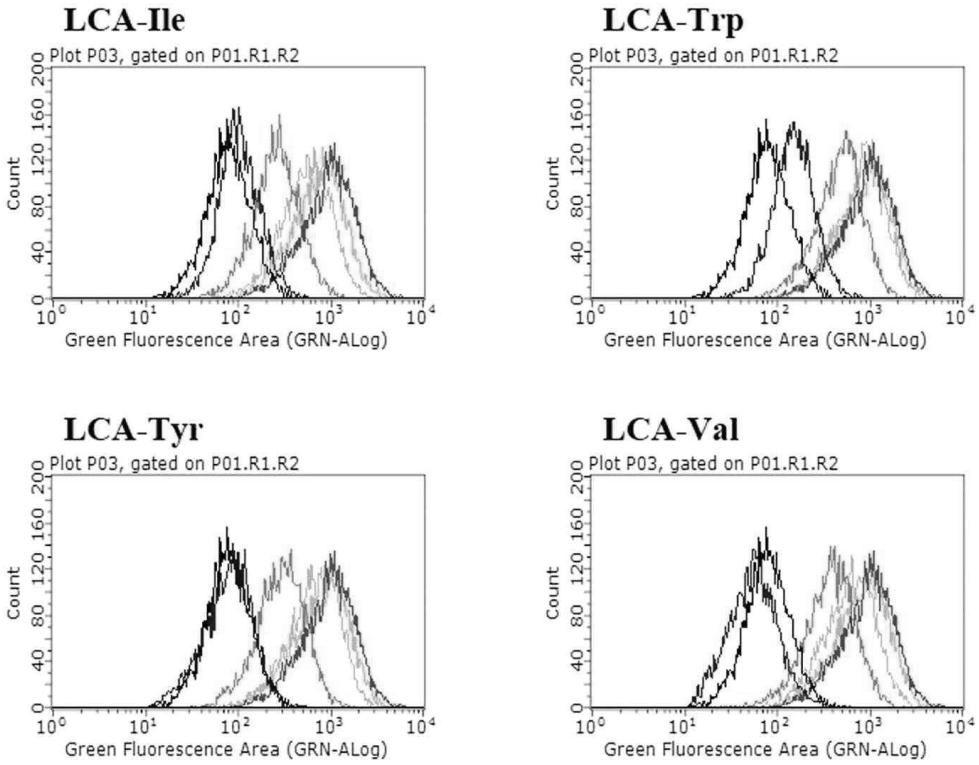
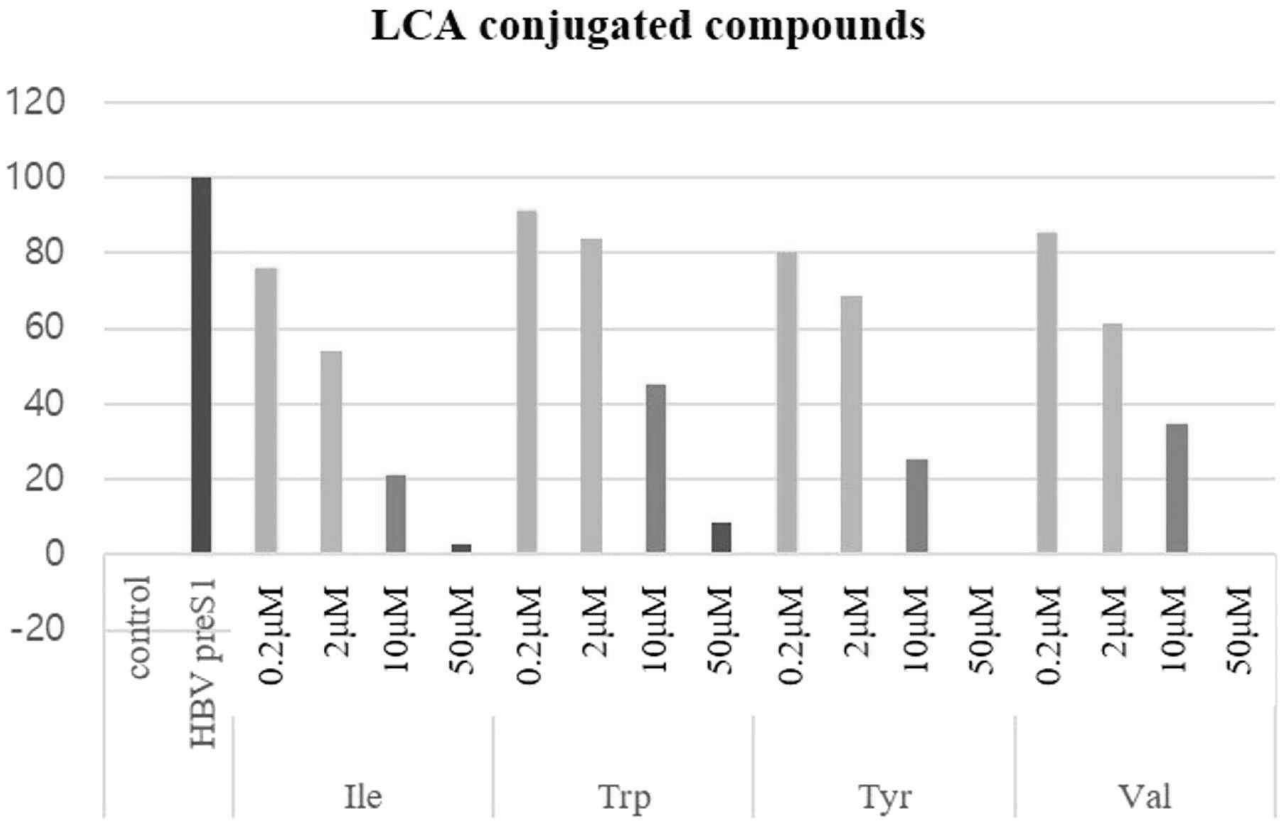
【Fig 1】


Control
LCA
LCA-Gly
LCA-Phe
LCA-Ile
LCA-Met
LCA-Val
LCA-Leu
LCA-Ala
LCA-Trp
LCA-Pro
LCA-Glu
Control
LCA
LCA-Ser
LCA-Thr
LCA-Cys
LCA-Tyr
LCA-Asn
LCA-Gln
LCA-Asp
LCA-Lys
LCA-Arg
LCA-His
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
Negative control
HBV preS1
HBV preS1+HBV entry inhibitor

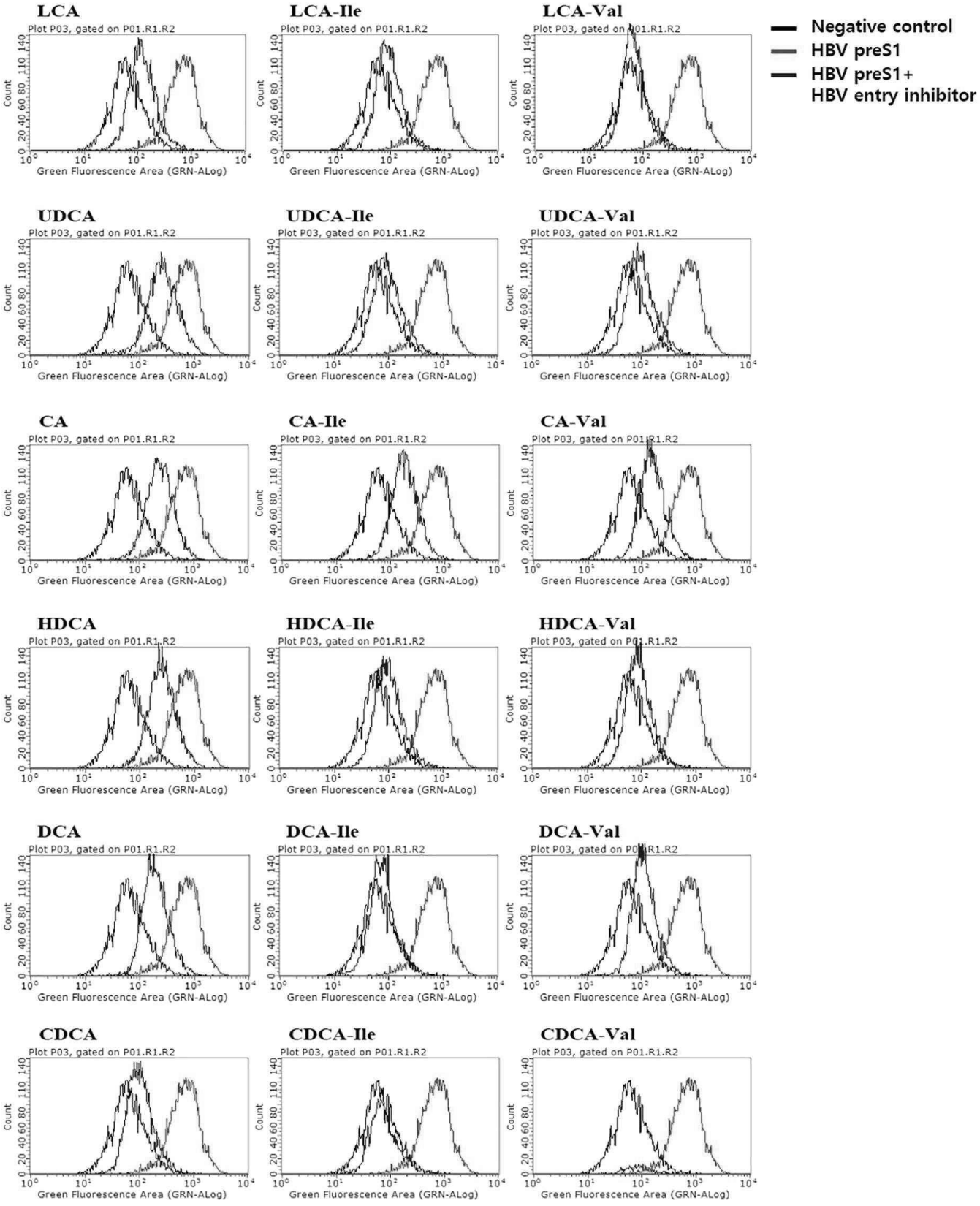

LCA conjugated with 20 amino acids
160
140
120
100
80
60
40
20
0
control
HBV preS1
LCA
TCA
UDCA
Gly
Ala
Val
Leu
Ile
Met
Phe
Trp
Pro
Ser
Thr
Cys
Tyr
Asn
Gln
Asp
Glu
Lys
Arg
His
Inhibitor
0
100
61
78
103
73
45
0.2
16
2.3
8.2
50
3.4
15
58
39
17
3.8
145
96
92
107
63
105
58

【Fig 2】

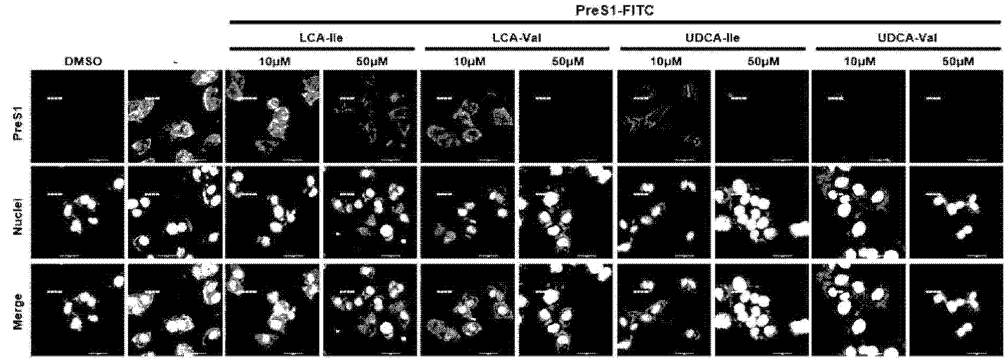

LCA-Ile
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
LCA-Trp
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
LCA-Tyr
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
LCA-Val
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)


LCA conjugated compounds
120
100
80
60
40
20
0
-20
control
HBV preS1
0.2μM
2μM
10μM
50μM
Ile
Trp
Tyr
Val

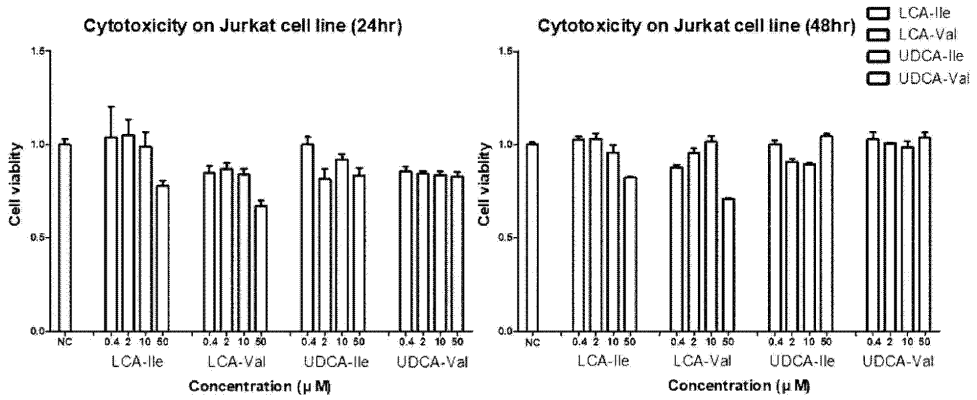
【Fig 3】


LCA
LCA-Ile
LCA-Val
UDCA
UDCA-Ile
UDCA-Val
CA
CA-Ile
CA-Val
HDCA
HDCA-Ile
HDCA-Val
DCA
DCA-Ile
DCA-Val
CDCA
CDCA-Ile
CDCA-Val
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
Negative control
HBV preS1
HBV preS1+
HBV entry inhibitor

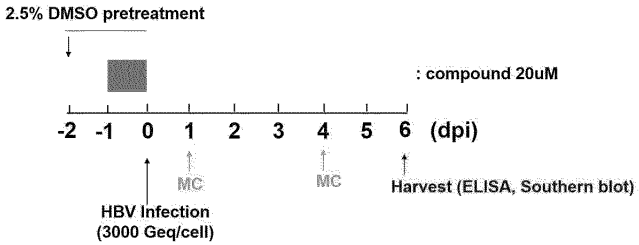
【FIG. 4】



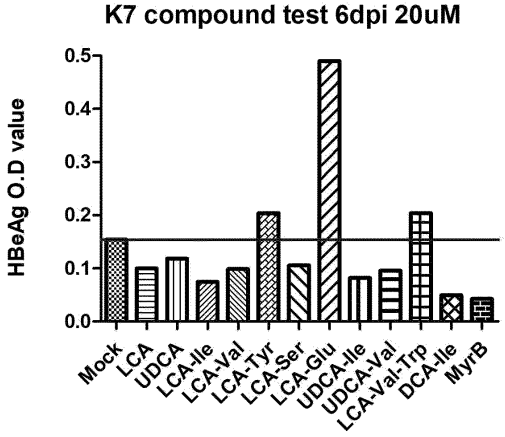
【FIG. 5】



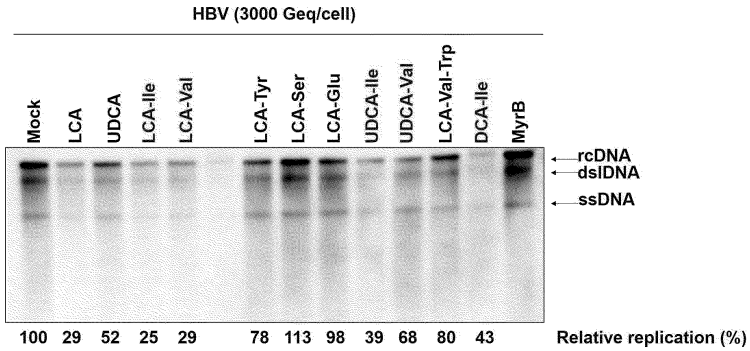
【FIG. 6】



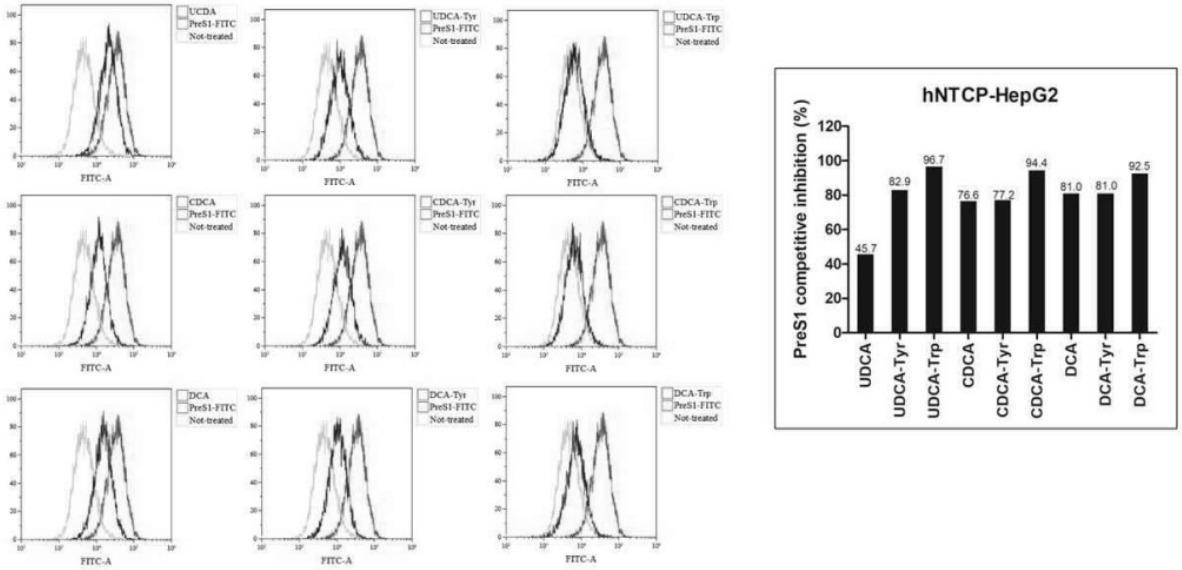
【FIG. 7】



【FIG. 8】



【FIG. 9】



【FIG. 10】

