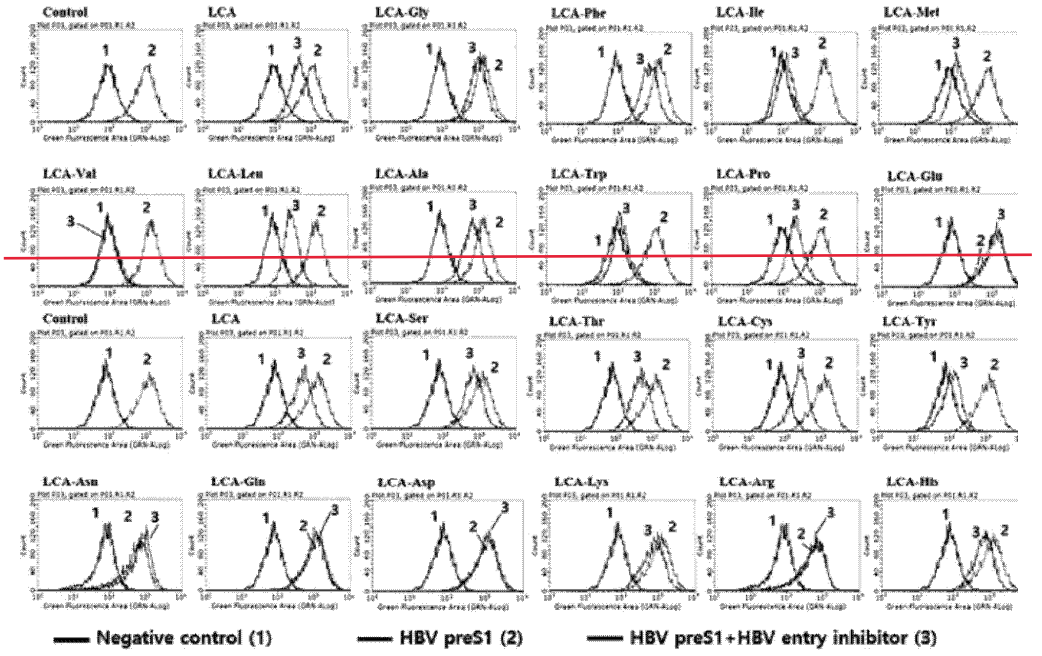
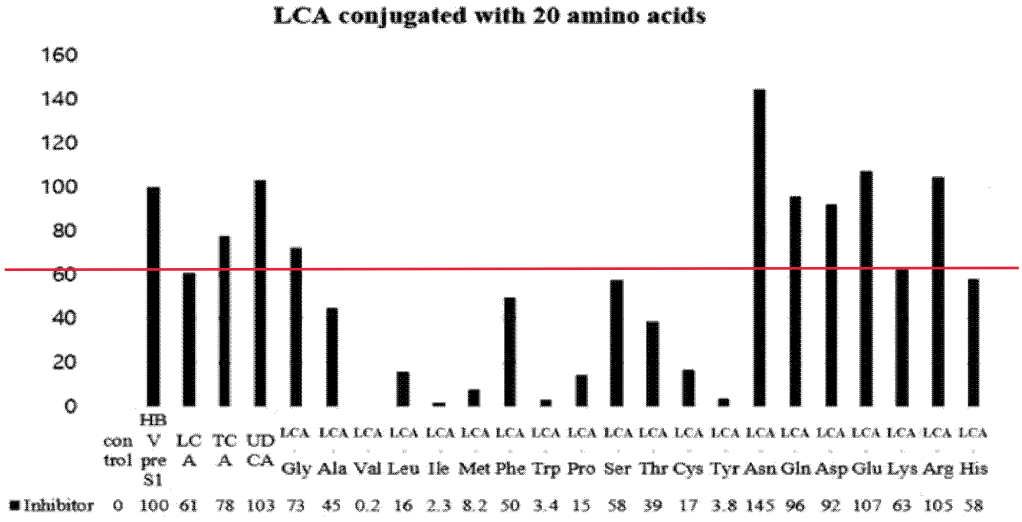
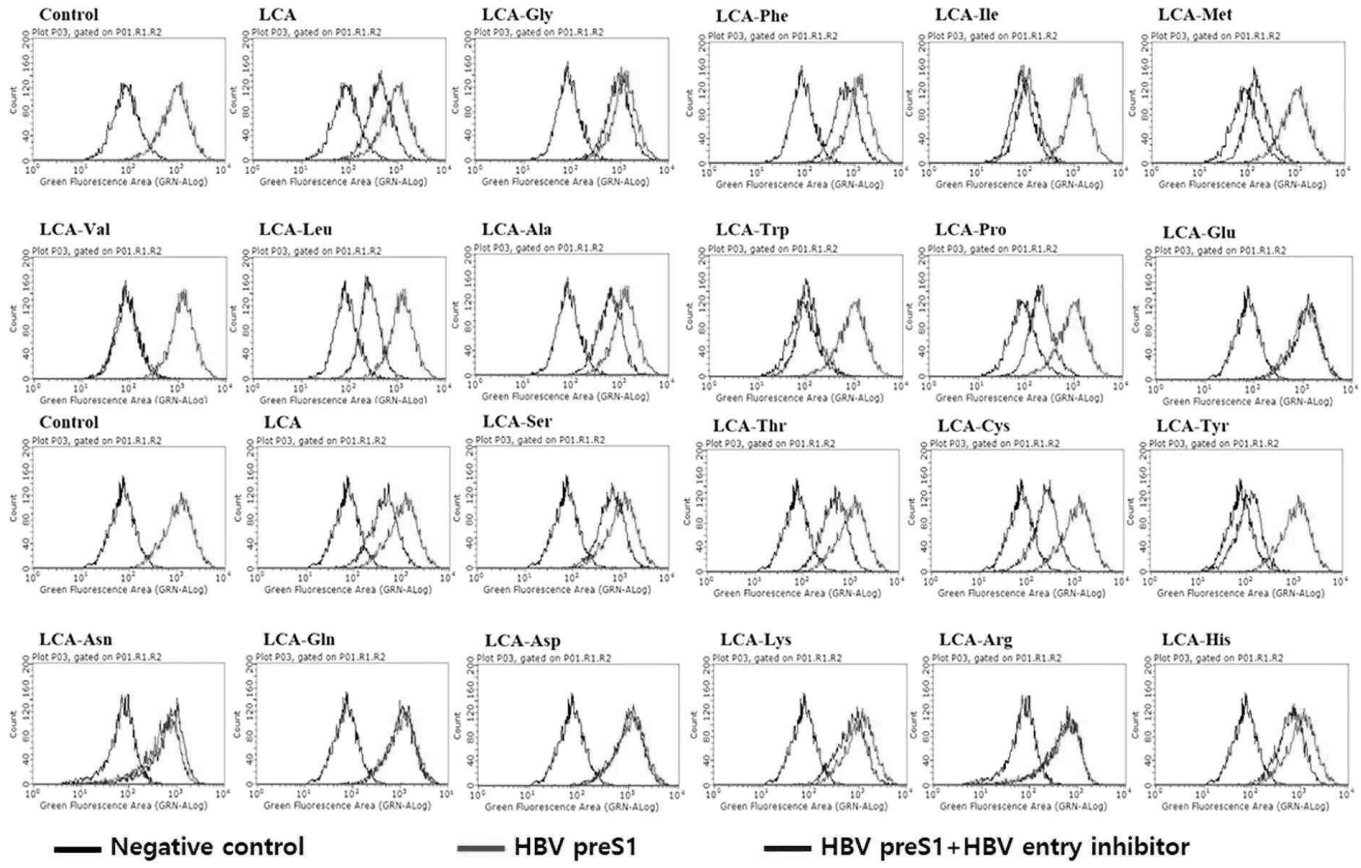
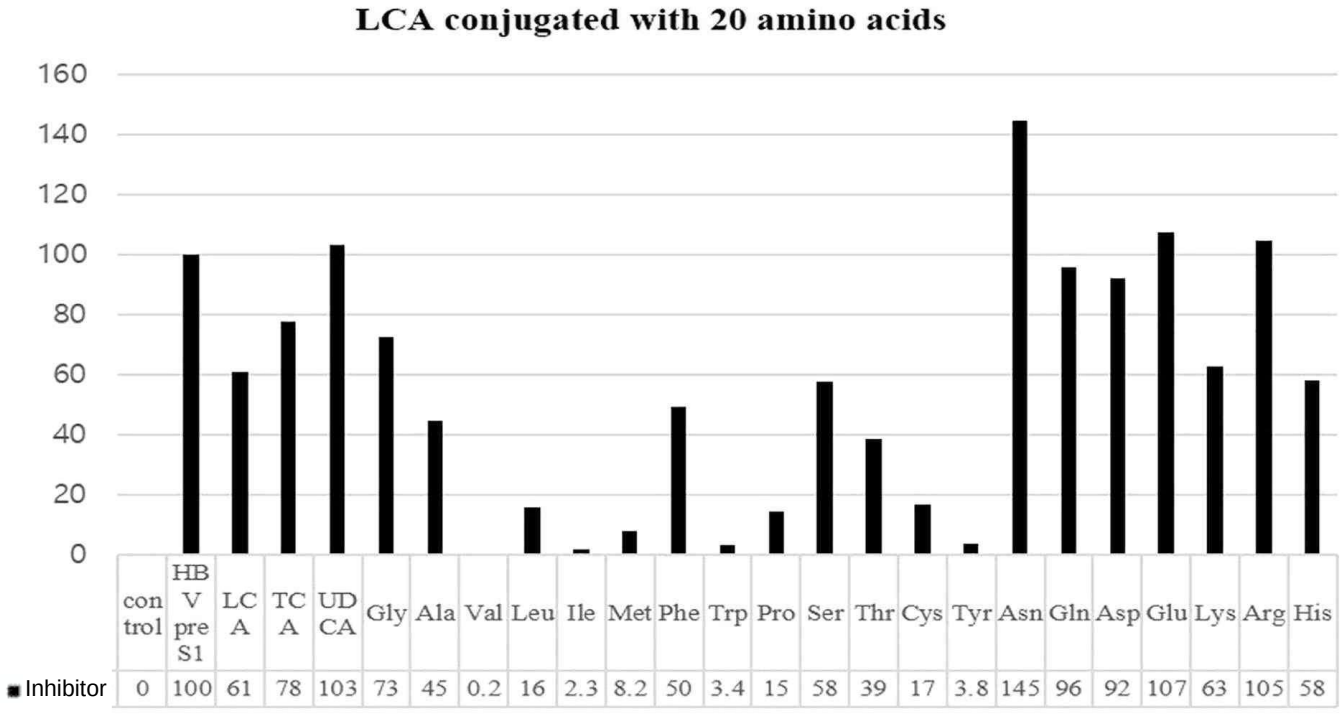
【FIG. 1】


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
Negative control (1)
HBV preS1 (2)
HBV preS1+HBV entry inhibitor (3)

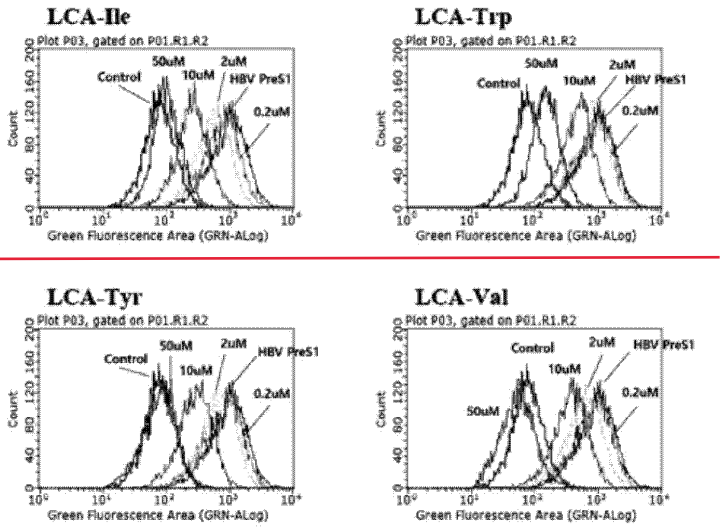

LCA conjugated with 20 amino acids
160
140
120
100
80
60
40
20
0
control
HBV preS1
LCA
TCA
UDCA
LCA Gly
LCA Ala
LCA Val
LCA Leu
LCA Ile
LCA Met
LCA Phe
LCA Trp
LCA Pro
LCA Ser
LCA Thr
LCA Cys
LCA Tyr
LCA Asn
LCA Gln
LCA Asp
LCA Glu
LCA Lys
LCA Arg
LCA His
Inhibitor 0 100 61 78 103 73 45 0.2 16 2.3 8.2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

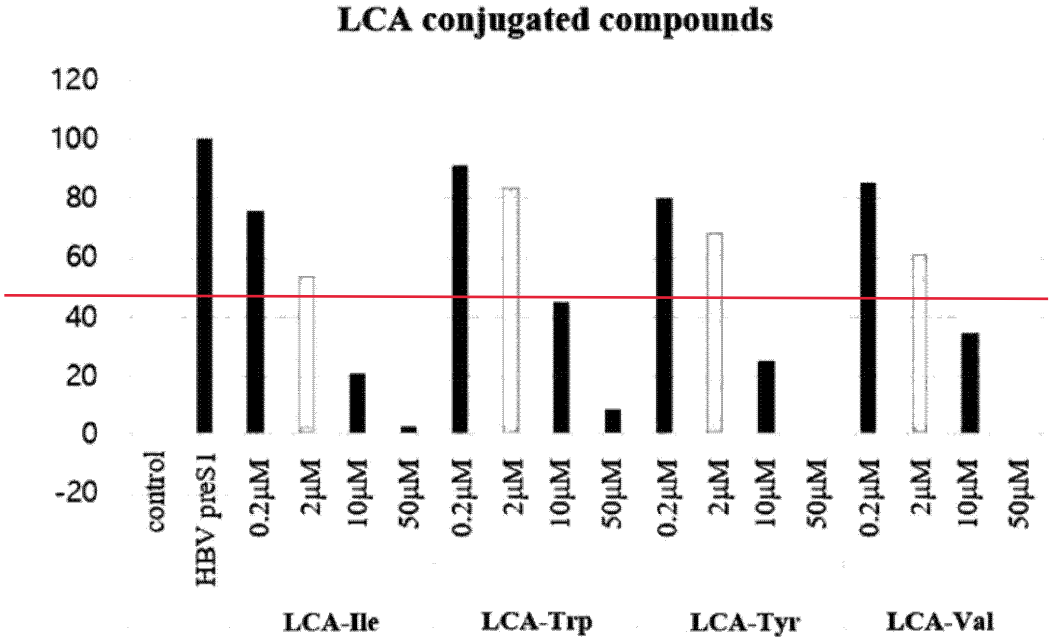
【Fig 1】


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

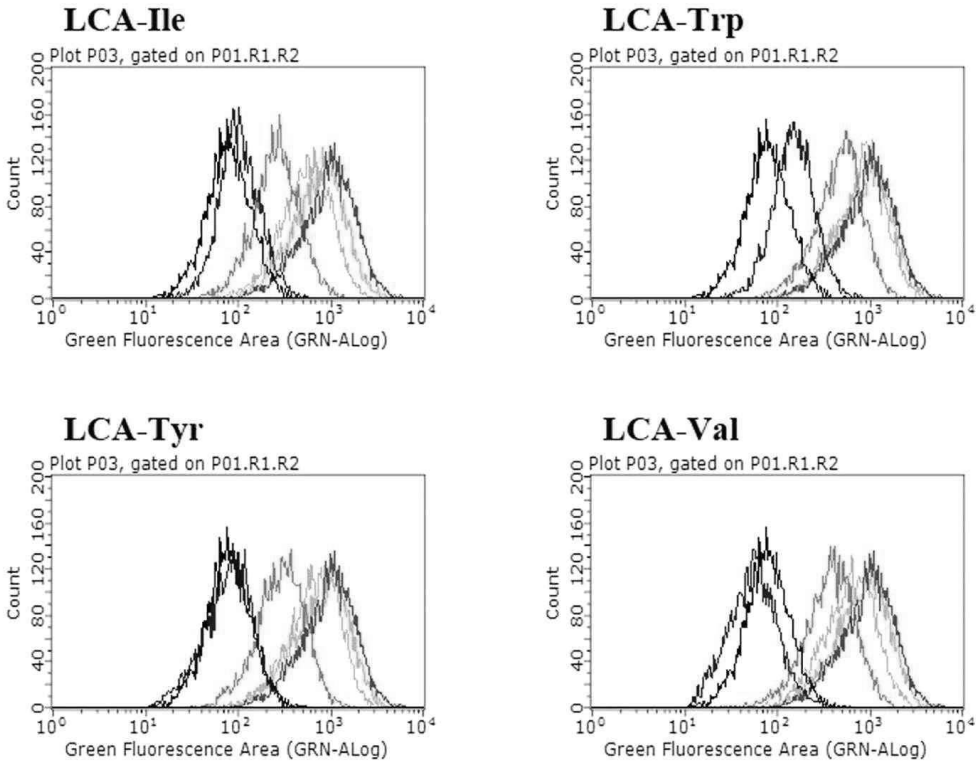

LCA conjugated with 20 amino acids
160
140
120
100
80
60
40
20
0
control
HBV preS1
LCA
TCA
UDCA
Gly
Ala
Val
Leu
Ile
Met
Phe
Trp
Pro
Ser
Thr
Cys
Tyr
Asn
Gln
Asp
Glu
Lys
Arg
His
Inhibitor
0
100
61
78
103
73
45
0.2
16
2.3
8.2
50
3.4
15
58
39
17
3.8
145
96
92
107
63
105
58

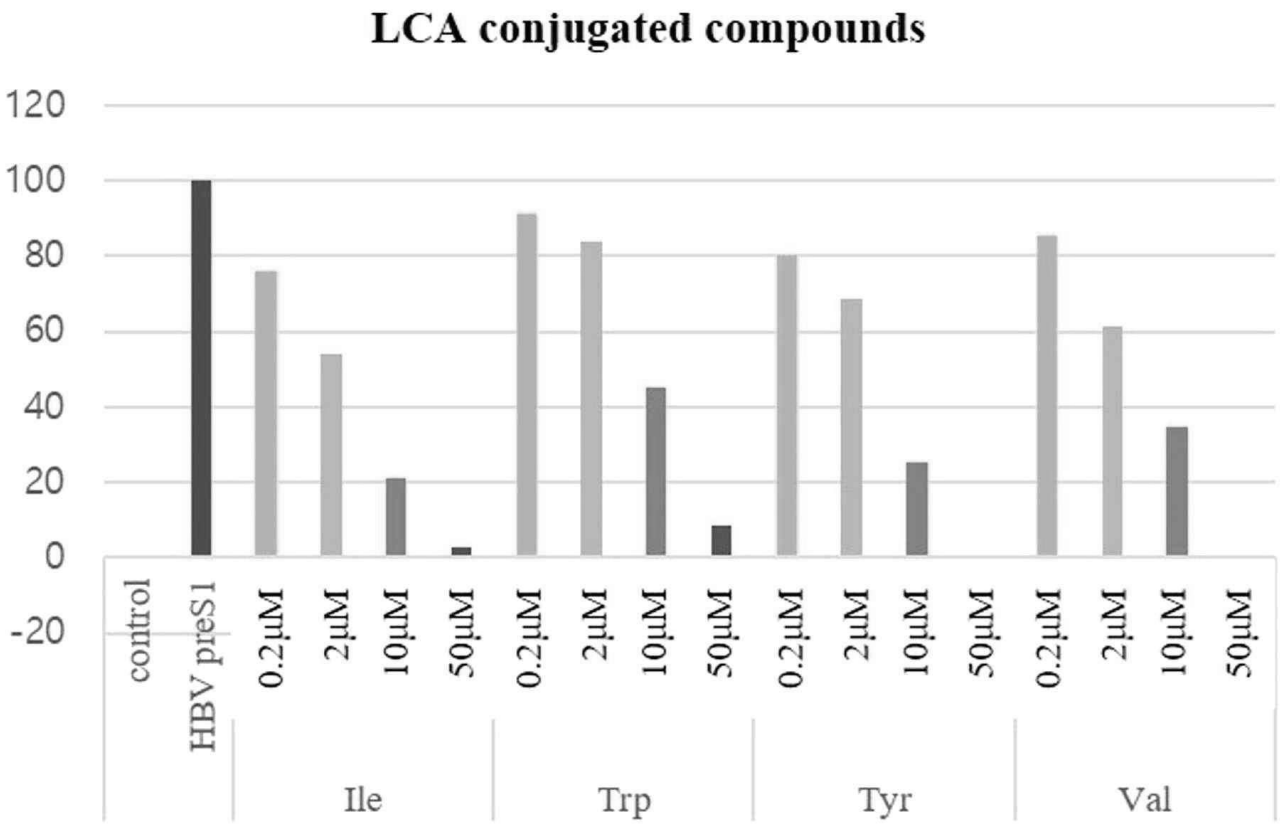
【FIG. 2】


LCA-Ile
LCA-Trp
LCA-Tyr
LCA-Val
Plot P03, gated on P01.R1.R2
Control
50uM
10uM
2uM
0.2uM
HBV PreS1
Count
Green Fluorescence Area (GRN-ALog)

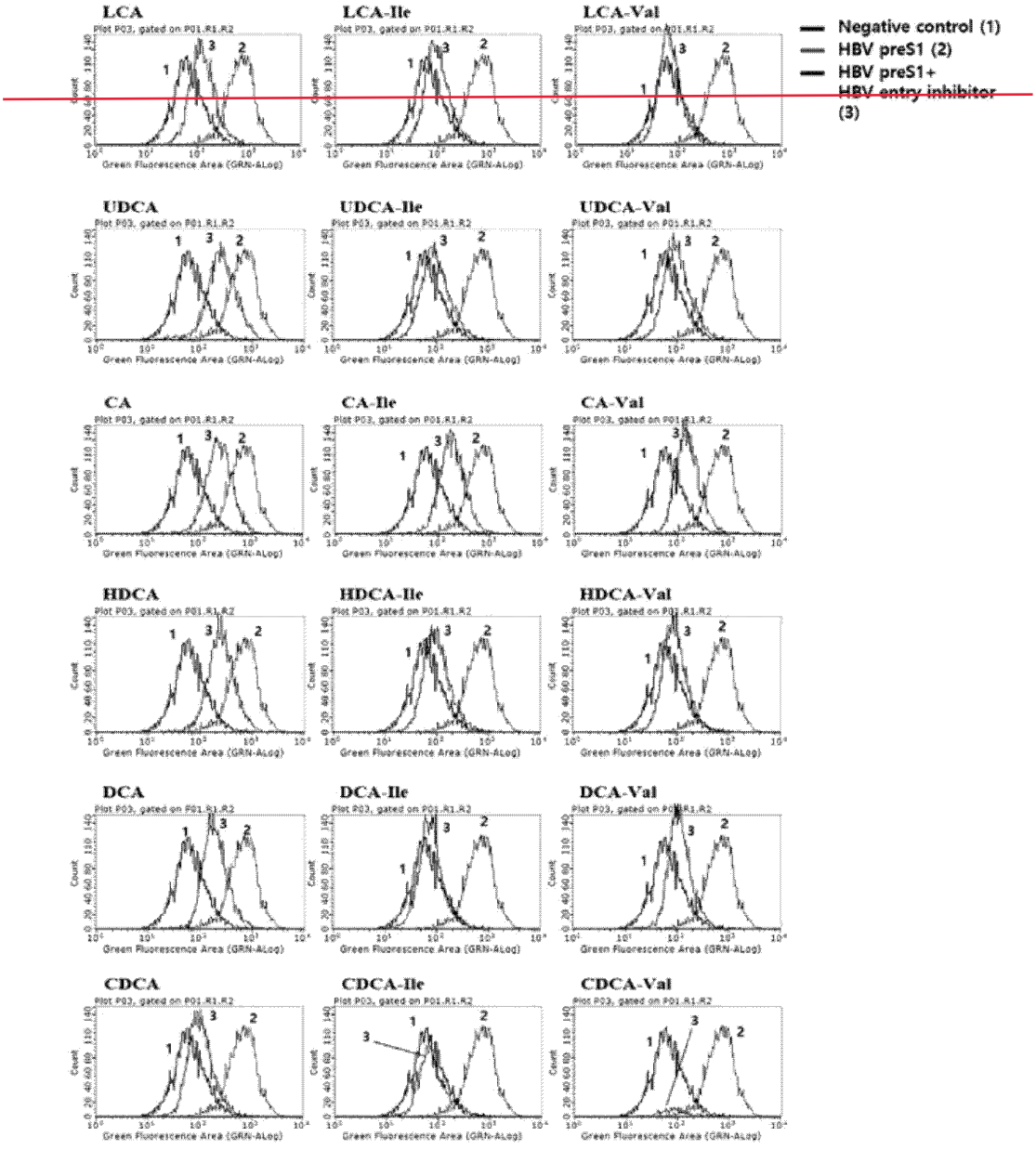

LCA conjugated compounds
120
100
80
60
40
20
0
-20
control
HBV preS1
0.2μM
2μM
10μM
50μM
LCA-Ile
LCA-Trp
LCA-Tyr
LCA-Val

【Fig 2】

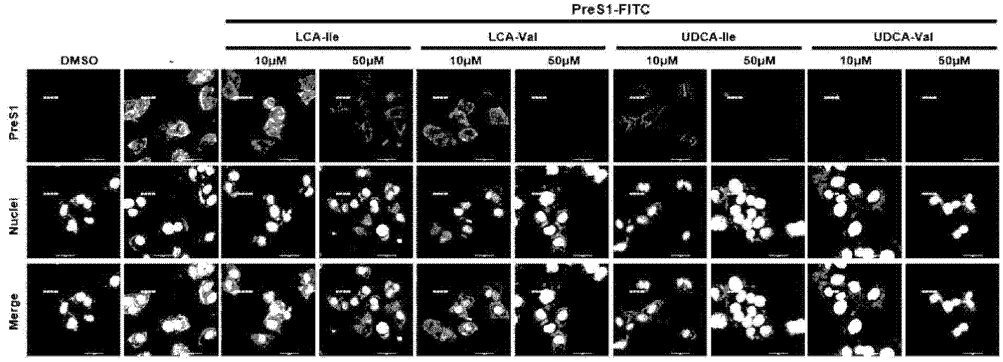

LCA-Ile
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
LCA-Trp
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
LCA-Tyr
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area (GRN-ALog)
LCA-Val
Plot P03, gated on P01.R1.R2
Count
Green Fluorescence Area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

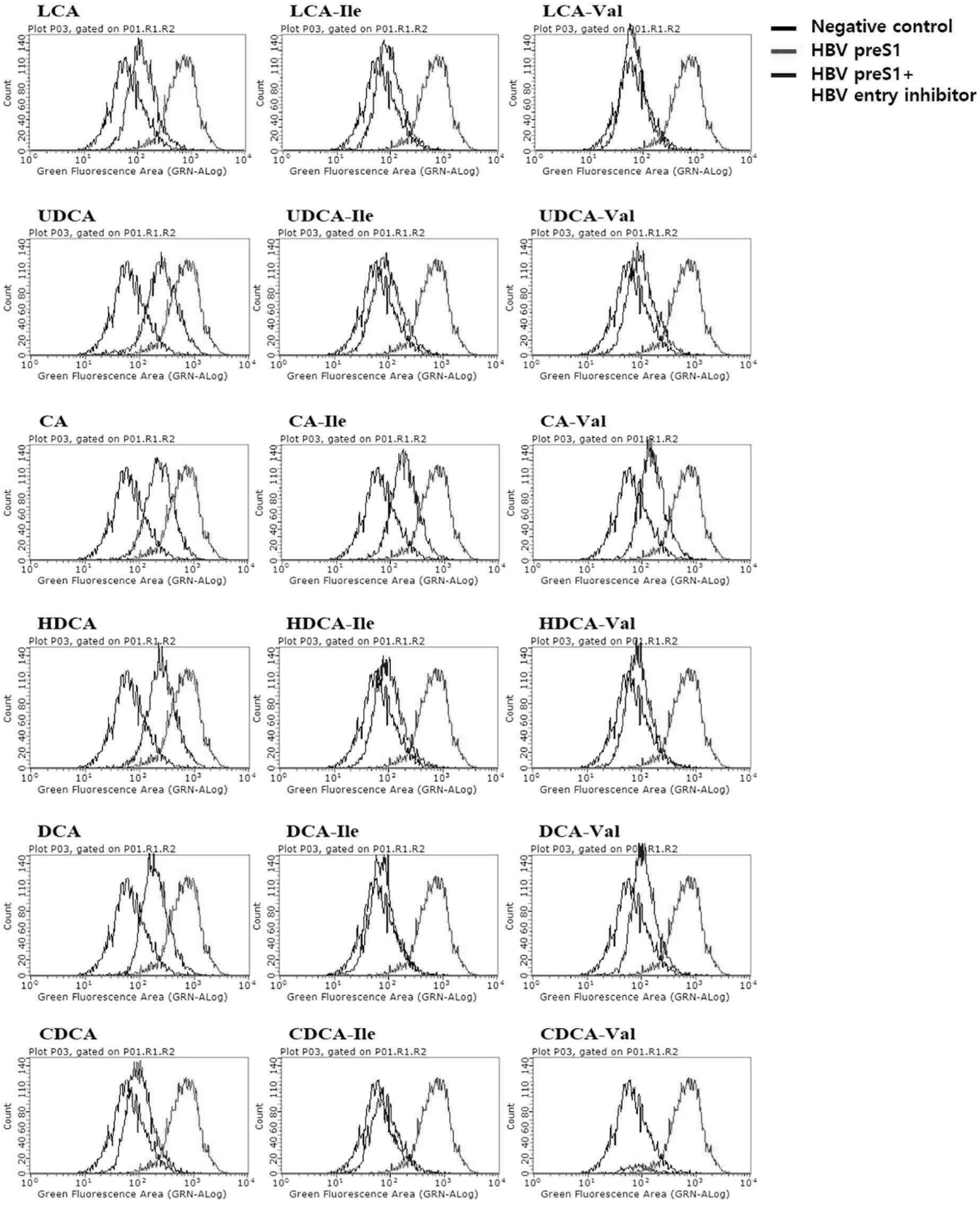
~~【FIG. 3】~~


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 (1)
HBV preS1 (2)
HBV preS1+ HBV entry inhibitor (3)

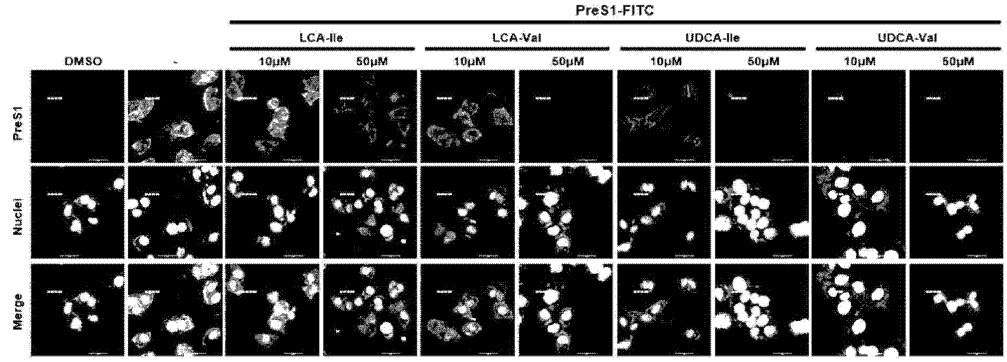
【FIG. 4】


PreS1-FITC
LCA-Ile
LCA-Val
UDCA-Ile
UDCA-Val
DMSO
-
10μM
50μM
PreS1
Nuclei
Merge

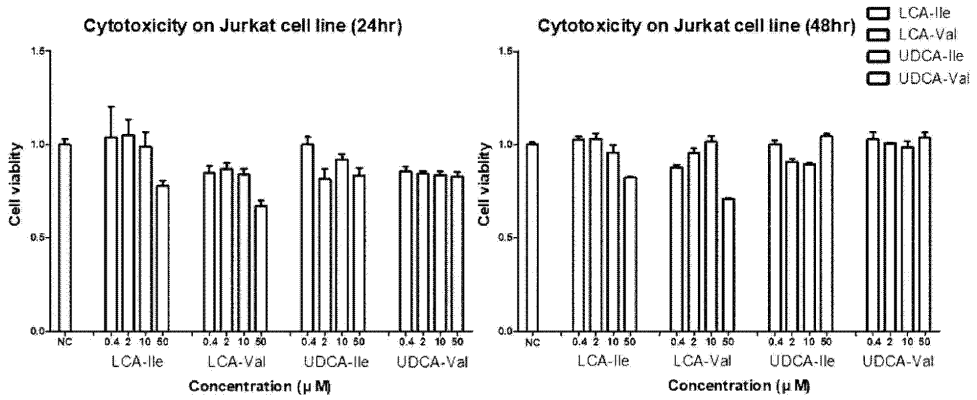
【Fig 3】


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

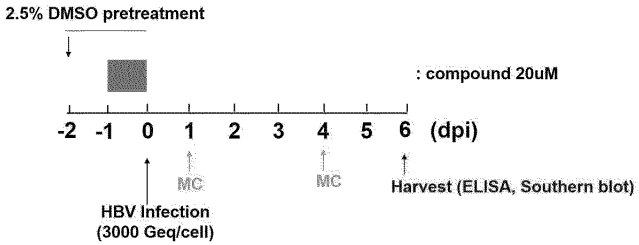
【FIG. 4】



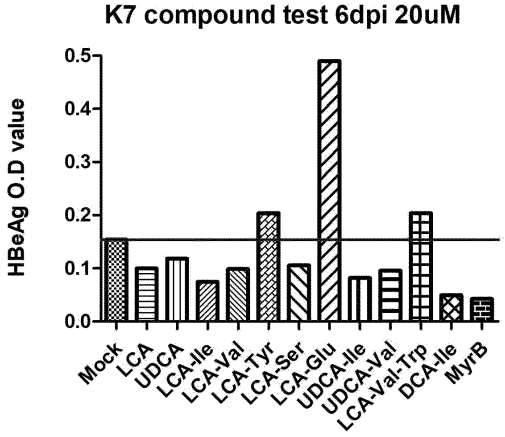
【FIG. 5】



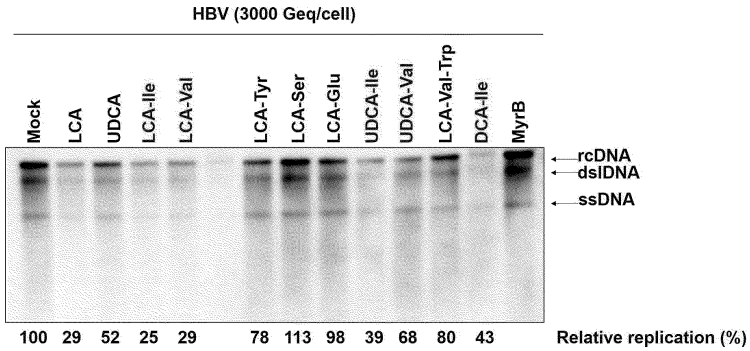
【FIG. 6】



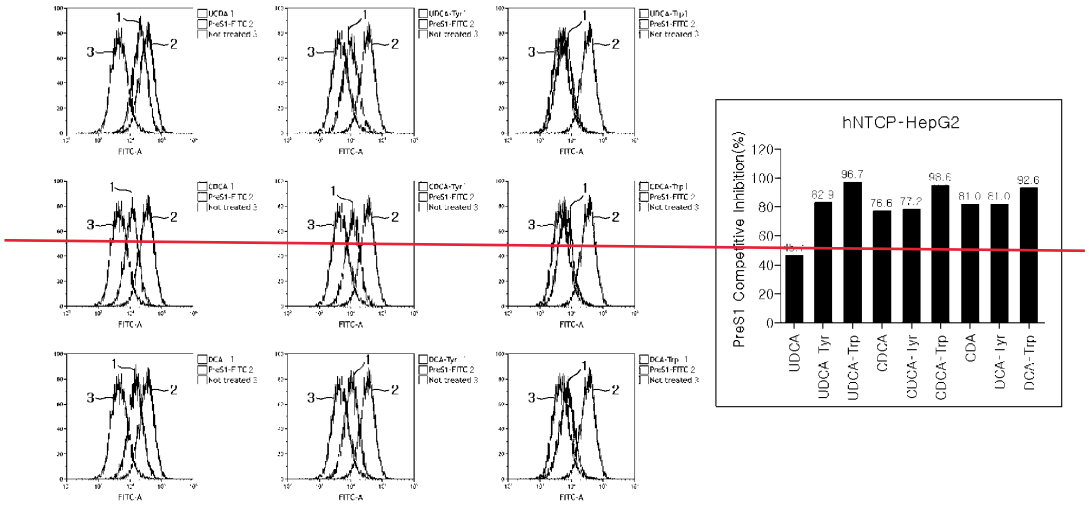
【FIG. 7】



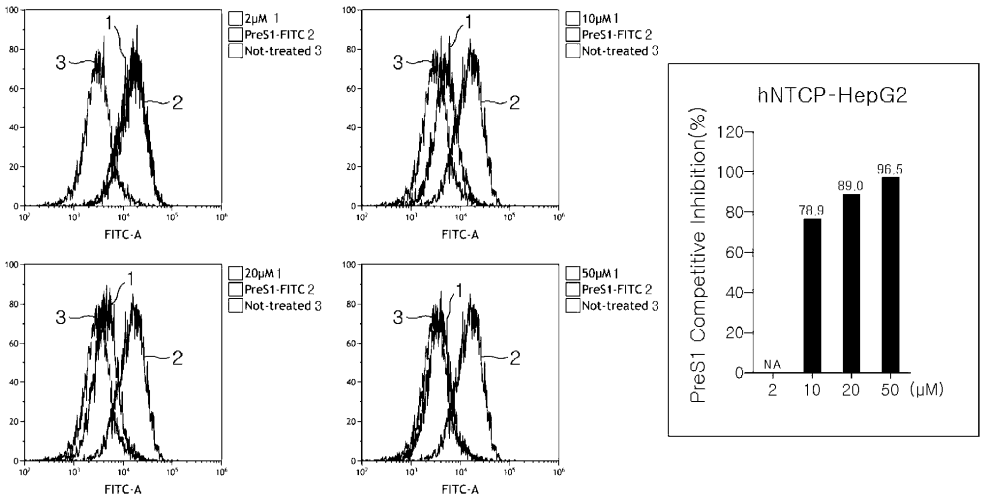
【FIG. 8】



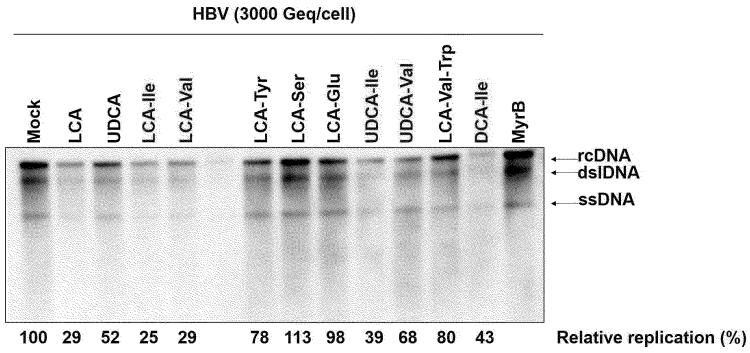
~~【FIG. 9】~~



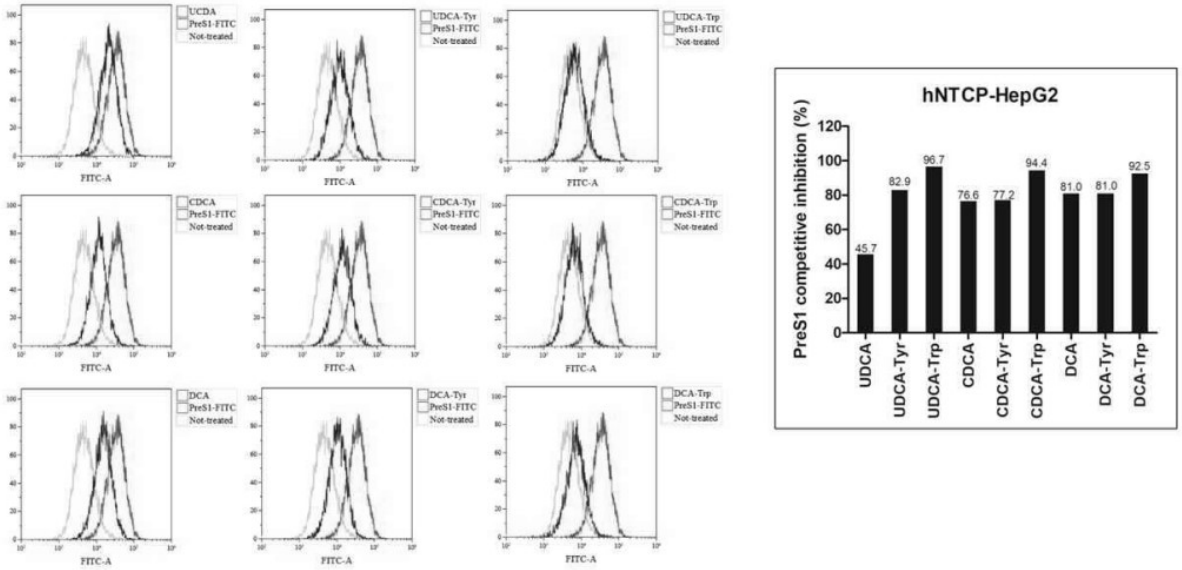
【FIG. 10】



【FIG. 8】



【FIG. 9】



【FIG. 10】

